

chain nodes :

12 13 14

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

2-11 8-12 12-13

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11

exact/norm bonds :

7-8 7-11 8-9 9-10 10-11 12-13

exact bonds :

2-11 8-12

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:CLASS 13:CLASS 14:CLASS 15:CLASS

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal611txm

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 11:58:44 ON 09 MAY 2002
FILE 'REGISTRY' ENTERED AT 11:58:44 ON 09 MAY 2002
COPYRIGHT (C) 2002 American Chemical Society (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	163.30	439.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	163.30	439.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

FILE 'REGISTRY' ENTERED AT 11:59:00 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5
DICTIONARY FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 09801933-furan.str

L19 STRUCTURE UPLOADED

=> s l19

SAMPLE SEARCH INITIATED 11:59:44 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 55 TO ITERATE

100.0% PROCESSED 55 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 656 TO 1544
PROJECTED ANSWERS: 11 TO 389

L20 10 SEA SSS SAM L19

=> s l19 full
FULL SEARCH INITIATED 11:59:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1003 TO ITERATE

100.0% PROCESSED 1003 ITERATIONS 140 ANSWERS
SEARCH TIME: 00.00.01

L21 140 SEA SSS FUL L19

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	140.66	580.43
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

FILE 'CAPLUS' ENTERED AT 12:00:09 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 May 2002 VOL 136 ISS 19
FILE LAST UPDATED: 7 May 2002 (20020507/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l21
L22 2 L21

=> s l22 not l4
L23 1 L22 NOT L4

=> d cbib pi hitstr

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
2002:51257 Document No. 136:123595 A combination of phosphonate or phosphorodiamidate FBPAse inhibitors and antidiabetic agents useful for

the treatment of diabetes. Van Poelje, Paul D.; Erion, Mark D.; Fujiwara, Toshihiko (Metabasis Therapeutics, Inc., USA; Sankyo Company, Limited).

PCT Int. Appl. WO 2002003978 A2 20020117. 392 pp. DESIGNATED STATES: W:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-US21557 20010705.

PRIORITY: US 2000-PV216531 20000706:

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2002003978 A2 20020117 WO 2001-US21557 20010705

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,

RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,

UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, TR, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE,

CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,

BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

IT 358670-36-7P, (5-(3,5-Dinitrophenyl)-2-furanyl)phosphonic acid

358670-37-8P, (5-(2-Amino-3,5-dinitrophenyl)-2-furanyl)phosphonic acid

358670-38-9P, (5-(5-Chloro-2-methoxyphenyl)-2-furanyl)phosphonic acid

358670-39-0P, (5-(2,5-Dichlorophenyl)-2-furanyl)phosphonic acid

358670-40-1P, (5-(2-Methylsulfonyl)-2-furanyl)phosphonic acid

358670-41-2P, (5-(3-Amino-5-carbomethoxyphenyl)-2-furanyl)phosphonic acid

358670-42-3P, (5-(3-Amino-4-bromophenyl)-2-furanyl)phosphonic acid

358670-43-4P, (5-(3,5-Dimethylphenyl)-2-furanyl)phosphonic acid

358670-44-5P, (5-(2-Hydroxyphenyl)-2-furanyl)phosphonic acid

358670-45-6P, (5-(3,5-Dimethylphenyl)-2-furanyl)phosphonic acid

358670-46-7P, (5-(3-Bromophenyl)-2-furanyl)phosphonic acid

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)

(5-(2-Methoxy-5-nitrophenyl)-2-furanyl)phosphonic acid

358671-01-8P, (5-(2-Chloro-5-(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid

358671-02-9P, (5-(2,5-Bis(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid

358671-03-1P, (5-(4-Fluorophenyl)-2-furanyl)phosphonic acid

358671-04-2P, (5-(2,4-Dichlorophenyl)-2-furanyl)phosphonic acid

358671-05-3P, (5-(3-Amino-5-carbomethoxyphenyl)-2-furanyl)phosphonic acid

358671-06-4P, (5-(3-Amino-4-bromophenyl)-2-furanyl)phosphonic acid

358671-07-5P, (5-(2-Propylsulfonyl)phenyl)-2-furanyl)phosphonic acid

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(combination of phosphonate or phosphorodiamidate FBPAse inhibitors and antidiabetic agents useful for treatment of diabetes)

RN 358670-36-7 CAPLUS

CN Phosphonic acid, (5-(3,5-dinitrophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-37-8 CAPLUS

CN Phosphonic acid, (5-(2-amino-3,5-dinitrophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-38-9 CAPLUS

CN Phosphonic acid, (5-(5-chloro-2-methoxyphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-39-0 CAPLUS

CN Phosphonic acid, (5-(2,5-dichlorophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-40-1 CAPLUS

CN Phosphonic acid, (5-(2-methylsulfonyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-41-2 CAPLUS

CN Phosphonic acid, (5-(3-amino-5-carbomethoxyphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-42-3 CAPLUS

CN Phosphonic acid, (5-(3-amino-4-bromophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-43-4 CAPLUS

CN Phosphonic acid, (5-(3,5-dimethylphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-44-5 CAPLUS

CN Phosphonic acid, (5-(2-hydroxyphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-45-6 CAPLUS

CN Phosphonic acid, (5-(3,5-dimethylphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-46-7 CAPLUS

CN Phosphonic acid, (5-(3-bromophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-47-8 CAPLUS

CN Phosphonic acid, (5-(4-aminophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-48-9 CAPLUS

CN Phosphonic acid, (5-(4-chloro-2,5-dimethoxyphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-49-0 CAPLUS

CN Phosphonic acid, (5-(2-((4-chlorobenzyl)carbamoyl)phenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-50-1 CAPLUS

CN Phosphonic acid, (5-(2-((2-(4-chlorophenyl)ethyl)carbamoyl)phenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-51-2 CAPLUS

CN Phosphonic acid, (5-(2-((benzylsulfonyl)phenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)

358670-52-3P, (5-(2-Sulfamoylphenyl)-2-furanyl)phosphonic acid

358670-53-4P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-54-5P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-55-6P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-56-7P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-57-8P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-58-9P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-59-0P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-60-1P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-61-2P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-62-3P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-63-4P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-64-5P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-65-6P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-66-7P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-67-8P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-68-9P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-69-0P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-70-1P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-71-2P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-72-3P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-73-4P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-74-5P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-75-6P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-76-7P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-77-8P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-78-9P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-79-0P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-80-1P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-81-2P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-82-3P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-83-4P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-84-5P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-85-6P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-86-7P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-87-8P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-88-9P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-89-0P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-90-1P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-91-2P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-92-3P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-93-4P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-94-5P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-95-6P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-96-7P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-97-8P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-98-9P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358670-99-0P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

358671-00-1P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)

358671-01-8P, (5-(2-Chloro-5-(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid

358671-02-9P, (5-(2,5-Bis(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid

358671-03-1P, (5-(4-Fluorophenyl)-2-furanyl)phosphonic acid

358671-04-2P, (5-(2,4-Dichlorophenyl)-2-furanyl)phosphonic acid

358671-05-3P, (5-(3-Amino-5-carbomethoxyphenyl)-2-furanyl)phosphonic acid

358671-06-4P, (5-(3-Amino-4-bromophenyl)-2-furanyl)phosphonic acid

358671-07-5P, (5-(2-Propylsulfonyl)phenyl)-2-furanyl)phosphonic acid

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(combination of phosphonate or phosphorodiamidate FBPAse inhibitors and antidiabetic agents useful for treatment of diabetes)

RN 358670-36-7 CAPLUS

CN Phosphonic acid, (5-(3,5-dinitrophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-37-8 CAPLUS

CN Phosphonic acid, (5-(2-amino-3,5-dinitrophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-38-9 CAPLUS

CN Phosphonic acid, (5-(5-chloro-2-methoxyphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-39-0 CAPLUS

CN Phosphonic acid, (5-(2,5-dichlorophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-40-1 CAPLUS

CN Phosphonic acid, (5-(2-methylsulfonyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-41-2 CAPLUS

CN Phosphonic acid, (5-(3-amino-5-carbomethoxyphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-42-3 CAPLUS

CN Phosphonic acid, (5-(3-amino-4-bromophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-43-4 CAPLUS

CN Phosphonic acid, (5-(3,5-dimethylphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-44-5 CAPLUS

CN Phosphonic acid, (5-(2-hydroxyphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-45-6 CAPLUS

CN Phosphonic acid, (5-(3,5-dimethylphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-46-7 CAPLUS

CN Phosphonic acid, (5-(3-bromophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-47-8 CAPLUS

CN Phosphonic acid, (5-(4-aminophenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-48-9 CAPLUS

CN Phosphonic acid, (5-(4-chloro-2,5-dimethoxyphenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-49-0 CAPLUS

CN Phosphonic acid, (5-(2-((4-chlorobenzyl)carbamoyl)phenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-50-1 CAPLUS

CN Phosphonic acid, (5-(2-((2-(4-chlorophenyl)ethyl)carbamoyl)phenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

358670-51-2 CAPLUS

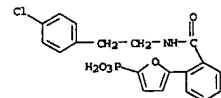
CN Phosphonic acid, (5-(2-((benzylsulfonyl)phenyl)-2-furanyl)- (9CI) (CA INDEX NAME)

INDEX NAME

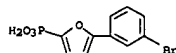
358670-52-3 CAPLUS

CN(S(=O)(=O)c1ccc(cc1Cl)-c2ccccc2OP(=O)(O)O)c3ccccc3CN(S(=O)(=O)c1ccccc1-c2ccccc2P(=O)(O)O)c3ccccc3O=C(Oc1ccccc1O)C(=O)OP(=O)(O)OCc1cc(C)ccc1C2=CC(=C(C=C2)OP(=O)(O)O)

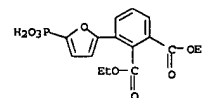
L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)

O=P(=O)(O)Oc1ccccc1-c2ccccc2S(=O)(=O)NCCc3ccccc3NC(=O)c1ccccc1-c2ccoc(c2)OP(=O)(O)OCc1cc(C)c(C)c(C)c1-c1cc(COP(=O)(O)O)cc1

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)

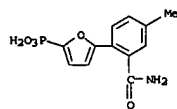
Nc1ccc(cc1)-c2oc(c2)OP(=O)(O)OCOc1cc(Cl)c(Cl)cc1-c2oc(COP(=O)(O)O)c2O=P(=O)(O)Oc1cc(Oc2ccccc2C(=O)NCCc3ccc(Cl)cc3)oc1

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)
ester (9CI) (CA INDEX NAME)

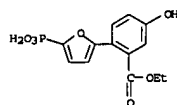
Cc1cc(NC(=O)OP(=O)(O)O)ccc1C2=CC=CC=C2Cc1cc(Cl)c(Cl)cc1-c2ccoc2COP(=O)(O)OCOC(=O)c1ccc(cc1-c2ccoc2)OP(=O)(O)O

RN 358670-60-7 CAPLUS

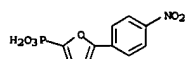
L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)
 CN Phosphonic acid, [5-[2-(aminocarbonyl)-4-methylphenyl]-2-furanyl]- (9CI)
 (CA INDEX NAME)



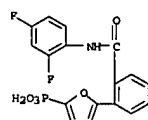
RN 358670-61-8 CAPLUS
 CN Benzoic acid, 5-hydroxy-2-(5-phosphono-2-furanyl)-, 1-ethyl ester (9CI)
 (CA INDEX NAME)



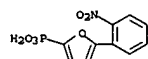
RN 358670-62-9 CAPLUS
 CN Phosphonic acid, [5-(4-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



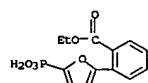
RN 358670-63-0 CAPLUS
 CN Phosphonic acid, [5-[2-[[[2,4-difluorophenyl]amino]carbonyl]phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



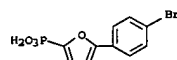
L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)



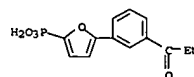
RN 358670-70-9 CAPLUS
 CN Benzoic acid, 2-(5-phosphono-2-furanyl)-, 1-ethyl ester (9CI) (CA INDEX NAME)



RN 358670-71-0 CAPLUS
 CN Phosphonic acid, [5-(4-bromophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

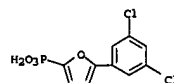


RN 358670-72-1 CAPLUS
 CN Phosphonic acid, [5-[3-(1-oxopropyl)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)

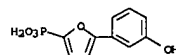


RN 358670-73-2 CAPLUS
 CN Phosphonic acid, [5-(5-cyano-2-methoxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

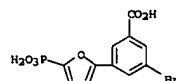
L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)
 RN 358670-64-1 CAPLUS
 CN Phosphonic acid, [5-(3,5-dichlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



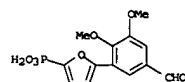
RN 358670-65-2 CAPLUS
 CN Phosphonic acid, [5-(3-hydroxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



RN 358670-66-3 CAPLUS
 CN Benzoic acid, 3-bromo-5-(5-phosphono-2-furanyl)- (9CI) (CA INDEX NAME)

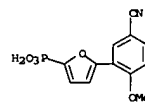


RN 358670-67-4 CAPLUS
 CN Phosphonic acid, [5-(5-formyl-2,3-dimethoxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

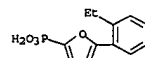


RN 358670-68-5 CAPLUS
 CN Phosphonic acid, [5-(2-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

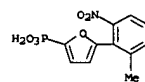
L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)



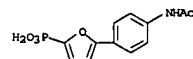
RN 358670-74-3 CAPLUS
 CN Phosphonic acid, [5-(2-ethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



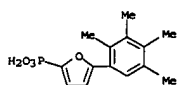
RN 358670-75-4 CAPLUS
 CN Phosphonic acid, [5-(2-methyl-6-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



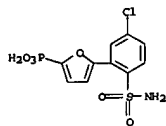
RN 358670-76-5 CAPLUS
 CN Phosphonic acid, [5-[4-(acetylamino)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



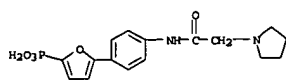
RN 358670-77-6 CAPLUS
 CN Phosphonic acid, [5-(2,3,4,5-tetramethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



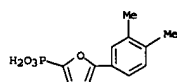
RN 358670-79-8 CAPLUS
CN Phosphonic acid, [5-[2-(aminosulfonyl)-5-chlorophenyl]-2-furanyl]-
(9CI)
(CA INDEX NAME)



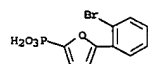
RN 358670-80-1 CAPLUS
CN Phosphonic acid,
[5-[4-[(1-pyrrolidinylacetyl)amino]phenyl]-2-furanyl]-
(9CI) (CA INDEX NAME)



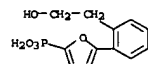
RN 358670-81-2 CAPLUS
CN Phosphonic acid, [5-(3,4-dimethylphenyl)-2-furanyl]- (9CI) (CA
INDEX NAME)



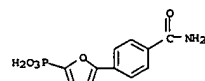
RN 358670-82-3 CAPLUS
CN Phosphonic acid, [5-(2,4-dinitrophenyl)-2-furanyl]- (9CI) (CA
INDEX NAME)



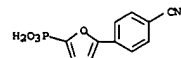
RN 358670-87-8 CAPLUS
CN Phosphonic acid, [5-[2-(2-hydroxyethyl)phenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)



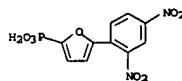
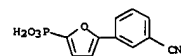
RN 358670-88-9 CAPLUS
CN Phosphonic acid, [5-[4-(aminocarbonyl)phenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)



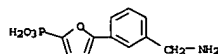
RN 358670-89-0 CAPLUS
CN Phosphonic acid, [5-(4-cyanophenyl)-2-furanyl]- (9CI) (CA INDEX
NAME)



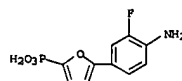
RN 358670-90-3 CAPLUS
CN Phosphonic acid, [5-(3-cyanophenyl)-2-furanyl]- (9CI) (CA INDEX
NAME)



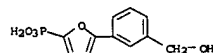
RN 358670-83-4 CAPLUS
CN Phosphonic acid, [5-[3-(aminomethyl)phenyl]-2-furanyl]- (9CI) (CA
INDEX NAME)



RN 358670-84-5 CAPLUS
CN Phosphonic acid, [5-(4-amino-3-fluorophenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)

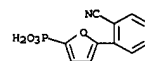


RN 358670-85-6 CAPLUS
CN Phosphonic acid, [5-[3-(hydroxymethyl)phenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)

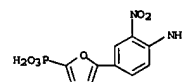


RN 358670-86-7 CAPLUS
CN Phosphonic acid, [5-(2-bromophenyl)-2-furanyl]- (9CI) (CA INDEX
NAME)

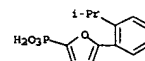
RN 358670-91-4 CAPLUS
CN Phosphonic acid, [5-(2-cyanophenyl)-2-furanyl]- (9CI) (CA INDEX
NAME)



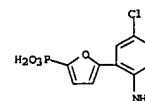
RN 358670-92-5 CAPLUS
CN Phosphonic acid, [5-(4-amino-3-nitrophenyl)-2-furanyl]- (9CI) (CA
INDEX NAME)



RN 358670-93-6 CAPLUS
CN Phosphonic acid, [5-[2-(1-methylethyl)phenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)

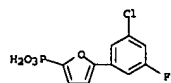


RN 358670-95-8 CAPLUS
CN Phosphonic acid, [5-(2-amino-5-chlorophenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)

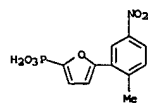


RN 358670-96-9 CAPLUS
CN Phosphonic acid, [5-(3-chloro-5-fluorophenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)

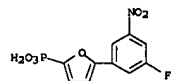
L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)



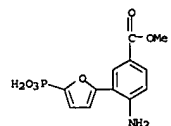
RN 358670-97-0 CAPLUS
CN Phosphonic acid, [5-(2-methyl-5-nitrophenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)



RN 358670-98-1 CAPLUS
CN Phosphonic acid, [5-(3-fluoro-5-nitrophenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)

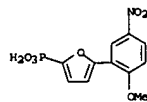


RN 358670-99-2 CAPLUS
CN Benzoic acid, 4-amino-3-(5-phosphono-2-furanyl)-, 1-methyl ester (9CI)
(CA INDEX NAME)

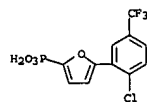


L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)

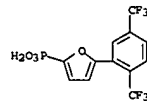
RN 358671-00-8 CAPLUS
CN Phosphonic acid, [5-(2-methoxy-5-nitrophenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)



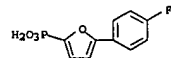
RN 358671-01-9 CAPLUS
CN Phosphonic acid, [5-[2-chloro-5-(trifluoromethyl)phenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)



RN 358671-02-0 CAPLUS
CN Phosphonic acid, [5-[2,5-bis(trifluoromethyl)phenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)

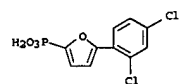


RN 358671-03-1 CAPLUS
CN Phosphonic acid, [5-(4-fluorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

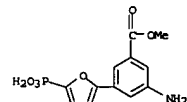


L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)

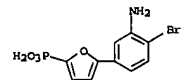
RN 358671-04-2 CAPLUS
CN Phosphonic acid, [5-(2,4-dichlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



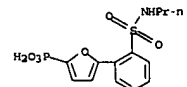
RN 358671-05-3 CAPLUS
CN Benzoic acid, 3-amino-5-(5-phosphono-2-furanyl)-, 1-methyl ester (9CI)
(CA INDEX NAME)



RN 358671-06-4 CAPLUS
CN Phosphonic acid, [5-(3-amino-4-bromophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



RN 389057-32-3 CAPLUS
CN Phosphonic acid, [5-[2-[(propylamino)sulfonyl]phenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)



L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
3.85	584.28

FULL ESTIMATED COST

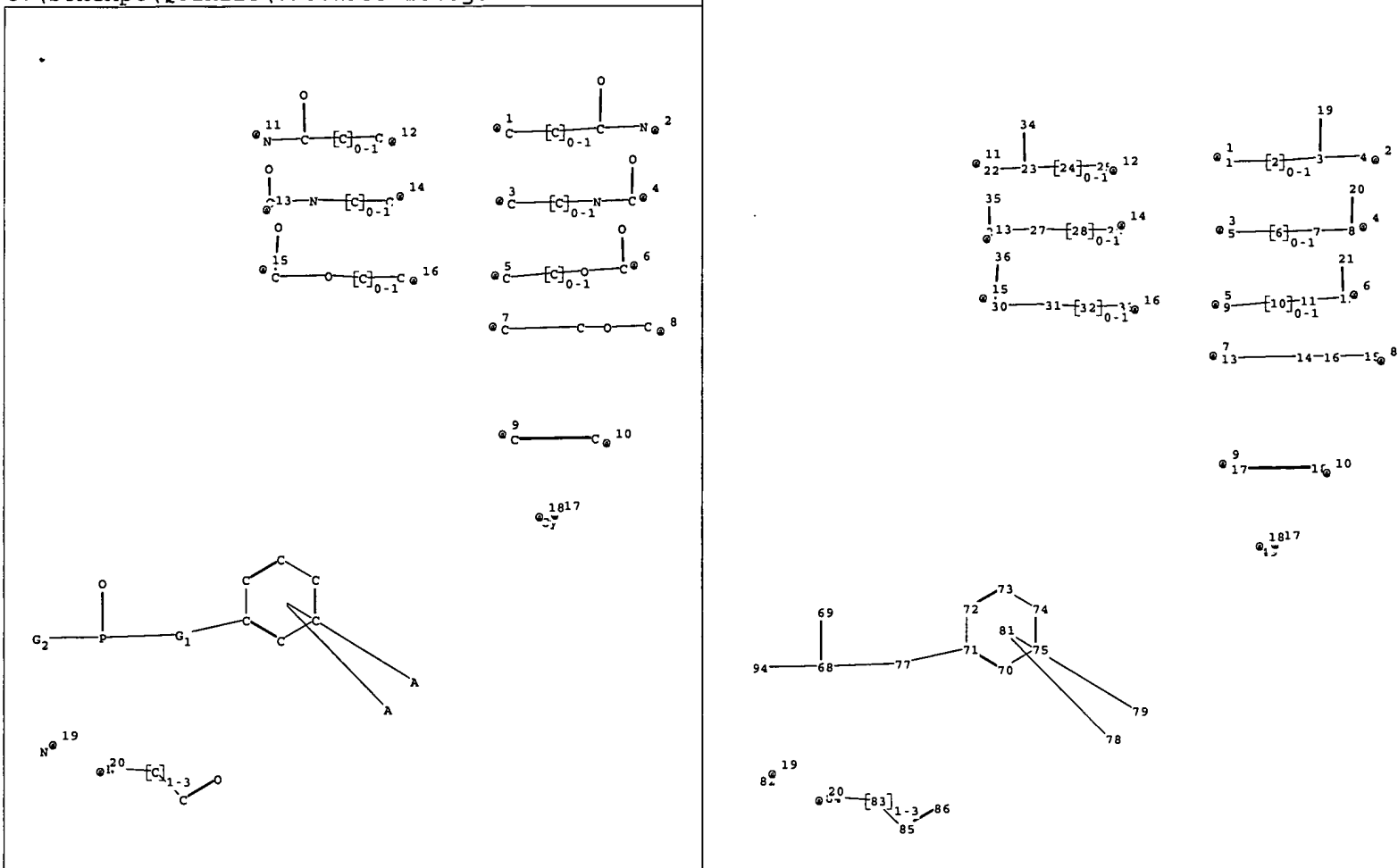
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-3.10

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 12:01:31 ON 09 MAY 2002



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 35 36 49 69 77 78 79 84 85 86 94

ring nodes :

70 71 72 73 74 75 82

ring/chain nodes :

68 83

chain bonds :

1-2 2-3 3-4 3-19 5-6 6-7 7-8 8-20 9-10 10-11 11-12 12-21 13-14 14-16 15-16
17-18 22-23 23-24 23-34 24-25 26-27 26-35 27-28 28-29 30-31 30-36 31-32 32-33
68-69 68-77 68-94 71-77 83-84 83-85 85-86

ring bonds :

70-71 70-75 71-72 72-73 73-74 74-75

exact/norm bonds :

3-4 3-19 6-7 7-8 8-20 10-11 11-12 12-21 14-16 15-16 22-23 23-34 26-27 26-35
27-28 30-31 30-36 31-32 68-69 68-77 68-94 71-77 83-84 85-86

exact bonds :

1-2 2-3 5-6 9-10 13-14 17-18 23-24 24-25 28-29 32-33 83-85

normalized bonds :

70-71 70-75 71-72 72-73 73-74 74-75

isolated ring systems :

containing 70 :

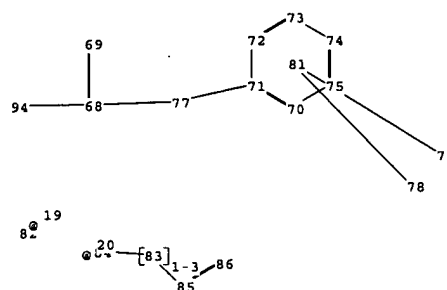
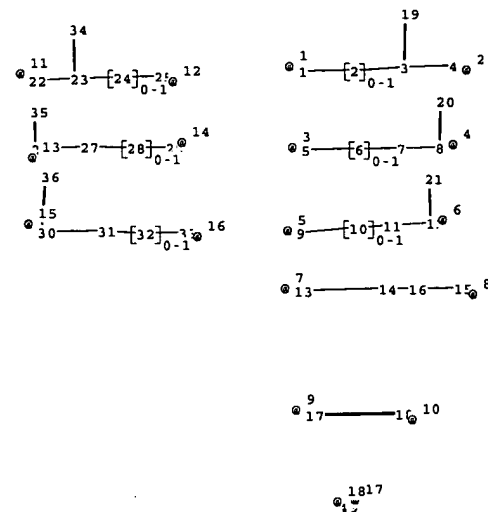
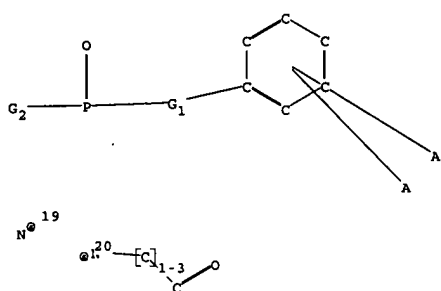
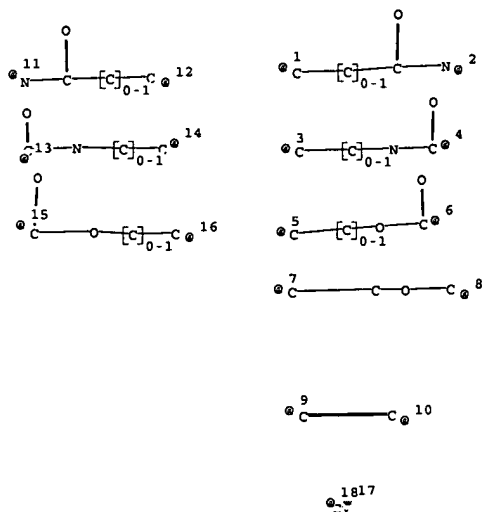
G1: [*1-*2], [*3-*4], [*5-*6], [*7-*8], [*9-*10], [*11-*12], [*13-*14], [*15-*16], [*17-*18]

G2: [*19], [*20]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS

30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 49:Atom
68:CLASS 69:CLASS 70:Atom 71:Atom 72:Atom 73:Atom 74:Atom 75:Atom 77:CLASS
78:CLASS 79:CLASS 80:CLASS 81:CLASS 82:Atom 83:CLASS 84:CLASS 85:CLASS 86:CLASS
94:CLASS



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 35 36 49 69 77 78 79 84 85 86 94

ring nodes :

70 71 72 73 74 75 82

ring/chain nodes :

68 83

chain bonds :

1-2 2-3 3-4 3-19 5-6 6-7 7-8 8-20 9-10 10-11 11-12 12-21 13-14 14-16 15-16
17-18 22-23 23-24 23-34 24-25 26-27 26-35 27-28 28-29 30-31 30-36 31-32 32-33
68-69 68-77 68-94 71-77 83-84 83-85 85-86

ring bonds :

70-71 70-75 71-72 72-73 73-74 74-75

exact/norm bonds :

3-4 3-19 6-7 7-8 8-20 10-11 11-12 12-21 14-16 15-16 22-23 23-34 26-27 26-35
27-28 30-31 30-36 31-32 68-69 68-77 68-94 71-77 83-84 85-86

exact bonds :

1-2 2-3 5-6 9-10 13-14 17-18 23-24 24-25 28-29 32-33 83-85

normalized bonds :

70-71 70-75 71-72 72-73 73-74 74-75

isolated ring systems :

containing 70 :

G1:[*1-*2],[*3-*4],[*5-*6],[*7-*8],[*9-*10],[*11-*12],[*13-*14],[*15-*16],[*17-*18]

G2:[*19],[*20]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS

30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 49:Atom
68:CLASS 69:CLASS 70:Atom 71:Atom 72:Atom 73:Atom 74:Atom 75:Atom 77:CLASS
78:CLASS 79:CLASS 80:CLASS 81:CLASS 82:Atom 83:CLASS 84:CLASS 85:CLASS 86:CLASS
94:CLASS

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1611txm

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 11:51:05 ON 09 MAY 2002
FILE 'CAPLUS' ENTERED AT 11:51:05 ON 09 MAY 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	29.16	274.91
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.10	-3.10

=>

Uploading 09801933nitrogen.str

L15 STRUCTURE UPLOADED

=> s l15

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

<-----User Break----->

<-----User Break----->

u

SEARCH ENDED BY USER

=>

=> file reg

=>

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.40	276.47
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

FILE 'REGISTRY' ENTERED AT 11:52:50 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5
DICTIONARY FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

```
=>
Uploading 09801933nitrogen.str
```

L16 STRUCTURE UPLOADED

```
=> s 116
SAMPLE SEARCH INITIATED 11:54:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2706 TO ITERATE
```

```

37.0% PROCESSED      1000 ITERATIONS                      0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:   51001 TO    57239
PROJECTED ANSWERS:      0 TO      0

```

L17 0 SEA SSS SAM L16

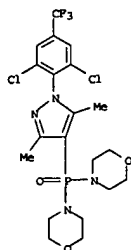
```
=> s ll6 sss full
FULL SEARCH INITIATED 11:55:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 54999 TO ITERATE
```

```
100.0% PROCESSED    54999 ITERATIONS                      9 ANSWERS  
SEARCH TIME: 00.00.05
```

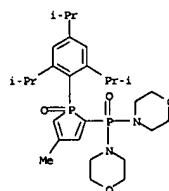
L18 9 SEA SSS FUL L16

=> d 1-9 ide cbib

L18 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 380472-17-3 REGISTRY
 CN Morpholine.
 4,4'-[[1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-3,5-dimethyl-1H-pyrazol-4-yl]phosphinylidene]bis- (9CI) (CA INDEX NAME)
 PS 3D CONCORD
 MP C20 H24 Cl2 F3 N4 O3 P
 SR Chemical Library
 LC STN Files: CHEMCATS



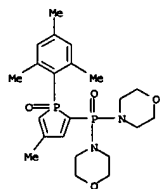
L18 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 286860-24-0 REGISTRY
 CN Morpholine.
 4,4'-[[4-methyl-1-oxido-1-[2,4,6-tris(1-methylethyl)phenyl]-1H-phosphol-2-yl]phosphinylidene]bis- (9CI) (CA INDEX NAME)
 MP C28 H44 N2 O4 P2
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:135353 A new reaction of arylphospholes:
 site-selective
 phosphorylation through reaction with phosphorus tribromide.
 Keglevich,
 Gyorgy; Chuluunbaatar, Tungalag; Dobo, Andras; Tke, Laszlo
 (Department of
 Organic Chemical Technology, Budapest University of Technology and
 Economics, Budapest, 1521, Hung.). Perkin 1 (10), 1495-1496
 (English)
 2000. CODEN: PERKPF9. Publisher: Royal Society of Chemistry.

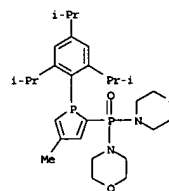
L18 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 286860-23-9 REGISTRY
 CN Morpholine.
 4,4'-[[4-methyl-1-oxido-1-[2,4,6-trimethylphenyl]-1H-phosphol-2-yl]phosphinylidene]bis- (9CI) (CA INDEX NAME)
 MP C22 H32 N2 O4 P2
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:135353 A new reaction of arylphospholes:
 site-selective
 phosphorylation through reaction with phosphorus tribromide.
 Keglevich,
 Gyorgy; Chuluunbaatar, Tungalag; Dobo, Andras; Tke, Laszlo
 (Department of
 Organic Chemical Technology, Budapest University of Technology and
 Economics, Budapest, 1521, Hung.). Perkin 1 (10), 1495-1496
 (English)
 2000. CODEN: PERKPF9. Publisher: Royal Society of Chemistry.

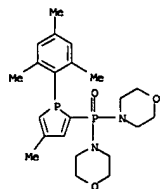
L18 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 286860-22-8 REGISTRY
 CN Morpholine, 4,4'-[[4-methyl-1-[2,4,6-tris(1-methylethyl)phenyl]-1H-phosphol-2-yl]phosphinylidene]bis- (9CI) (CA INDEX NAME)
 MP C28 H44 N2 O3 P2
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:135353 A new reaction of arylphospholes:
 site-selective
 phosphorylation through reaction with phosphorus tribromide.
 Keglevich,
 Gyorgy; Chuluunbaatar, Tungalag; Dobo, Andras; Tke, Laszlo
 (Department of
 Organic Chemical Technology, Budapest University of Technology and
 Economics, Budapest, 1521, Hung.). Perkin 1 (10), 1495-1496
 (English)
 2000. CODEN: PERKPF9. Publisher: Royal Society of Chemistry.

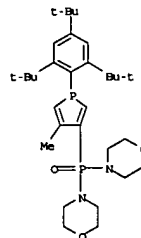
L18 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 286860-21-7 REGISTRY
 CN Morpholine,
 4,4'-[[4-methyl-1-(2,4,6-trimethylphenyl)-1H-phosphol-2-yl]phosphinylidene]bis- (9CI) (CA INDEX NAME)
 MF C22 H32 N2 O3 P2
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:135353 A new reaction of arylphospholes:
 site-selective
 phosphorylation through reaction with phosphorus tribromide.
 Keglevich,
 Gyorgy; Chuluunbaatar, Tungalag; Dobo, Andras; Tke, Laszlo
 (Department of
 Organic Chemical Technology, Budapest University of Technology and
 Economics, Budapest, 1521, Hung.). Perkin 1 (10), 1495-1496
 (English)
 2000. CODEN: PERKPF9. Publisher: Royal Society of Chemistry.

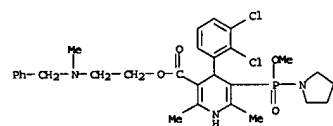
L18 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 286860-18-2 REGISTRY
 CN Morpholine,
 4,4'-[[4-methyl-1-[2,4,6-tris(1,1-dimethylethyl)phenyl]-1H-phosphol-3-yl]phosphinylidene]bis- (9CI) (CA INDEX NAME)
 MF C31 H50 N2 O3 P2
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:135353 A new reaction of arylphospholes:
 site-selective
 phosphorylation through reaction with phosphorus tribromide.
 Keglevich,
 Gyorgy; Chuluunbaatar, Tungalag; Dobo, Andras; Tke, Laszlo
 (Department of
 Organic Chemical Technology, Budapest University of Technology and
 Economics, Budapest, 1521, Hung.). Perkin 1 (10), 1495-1496
 (English)
 2000. CODEN: PERKPF9. Publisher: Royal Society of Chemistry.

L18 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 111954-99-7 REGISTRY
 CN 3-Pyridinecarboxylic acid,
 4-(2,3-dichlorophenyl)-1,4-dihydro-5-(methoxy-1-pyrrolidinylphosphinyl)-2,6-dimethyl-,
 2-[methyl(phenylmethyl)amino]ethyl
 ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C29 H36 Cl2 N3 O4 P
 SR CA
 LC STN Files: CA, CAPLUS

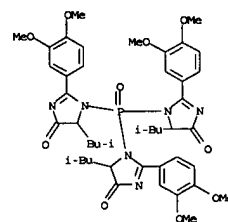


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 108:167687 Preparation of
 dihydropyridine-5-phosphonamidic acid
 derivatives for treatment of circulation disorders. Kamikawaji,
 Masumae;
 Seto, Kyotomo; Sakota, Ryozo; Tanaka, Sakuya (Nissan Chemical
 Industries,
 Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 62195392 A2 19870828
 Showa, 12
 pp. (Japanese). CODEN: JKKXAP. APPLICATION: JP 1986-36402
 19860220.

L18 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 34661-48-8 REGISTRY
 CN 4H-Imidazol-4-one,
 1,1',1''-phosphinylidynetris[2-(3,4-dimethoxyphenyl)-
 1,5-dihydro-5-(2-methylpropyl)- (9CI) (CA INDEX NAME)
 MF C45 H57 N6 O10 P
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)

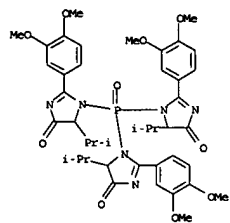


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 76:25177 Imidazolones. IV. Aminomethylation and
 phosphorylation of 2,5(4)-derivatives of 4(5)-imidazolone.
 Usaevich, Yu.
 Ya.; Boksiner, E. I.; Fel'dman, I. Kh. (Leningr. Khim.-Farm. Inst.,
 Leningrad, USSR). Khim. Geterotsikl. Soedin., 7(6), 804-6
 (Russian) 1971.
 CODEN: KGSSAQ.

L18 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 34661-47-7 REGISTRY
 CN 4H-Imidazol-4-one,
 1,1',1''-phosphinylidynetris[2-(3,4-dimethoxyphenyl)-
 1,5-dihydro-5-(1-methylethyl)- (9CI) (CA INDEX NAME)
 MP C42 H51 N6 O10 P
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 76:25177 Imidazolones. IV. Aminomethylation and
 phosphorylation of 2,5(4)-derivatives of 4(5)-imidazolone.
 Usaevich, Yu.
 Ya.; Bokasiner, E. I.; Fel'dman, I. Kh. (Leningr. Khim.-Farm. Inst.,
 Leningrad, USSR). Khim. Geterotsikl. Soedin., 7(6), 804-6
 (Russian) 1971.
 CODEN: KGSSAQ.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
163.30	439.77

FULL ESTIMATED COST

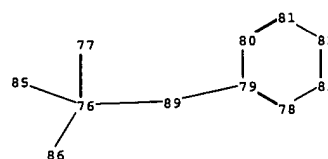
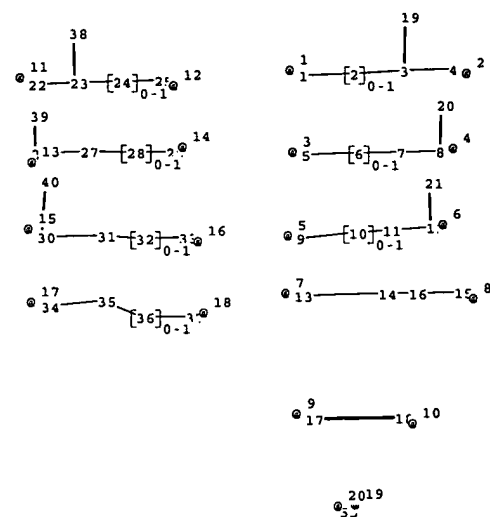
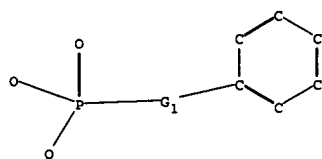
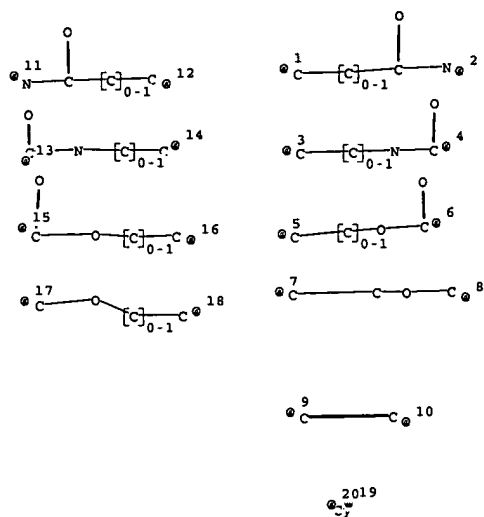
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-3.10

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 11:55:46 ON 09 MAY 2002



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 55 77 89

ring nodes :

78 79 80 81 82 83

ring/chain nodes :

76 85 86

chain bonds :

1-2 2-3 3-4 3-19 5-6 6-7 7-8 8-20 9-10 10-11 11-12 12-21 13-14 14-16 15-16
17-18 22-23 23-24 23-38 24-25 26-27 26-39 27-28 28-29 30-31 30-40 31-32 32-33
34-35 35-36 36-37 76-77 76-89 79-89

ring/chain bonds :

76-85 76-86

ring bonds :

78-79 78-83 79-80 80-81 81-82 82-83

exact/norm bonds :

3-4 3-19 6-7 7-8 8-20 10-11 11-12 12-21 14-16 15-16 22-23 23-38 26-27 26-39
27-28 30-31 30-40 31-32 34-35 35-36 76-77 76-85 76-86 76-89 79-89

exact bonds :

1-2 2-3 5-6 9-10 13-14 17-18 23-24 24-25 28-29 32-33 36-37

normalized bonds :

78-79 78-83 79-80 80-81 81-82 82-83

isolated ring systems :

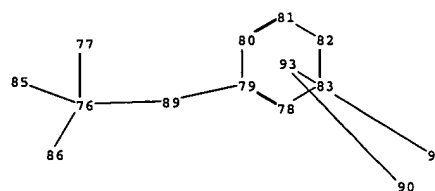
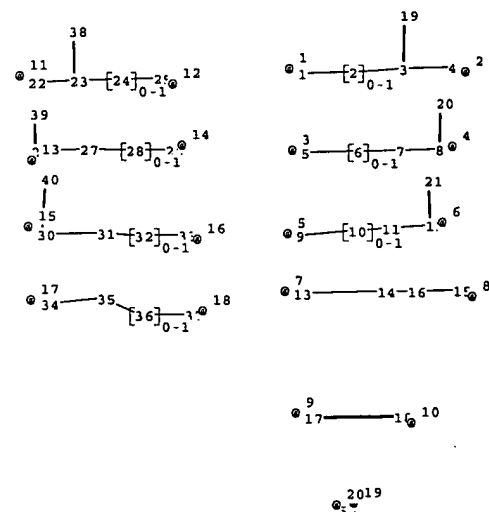
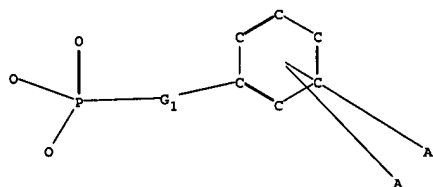
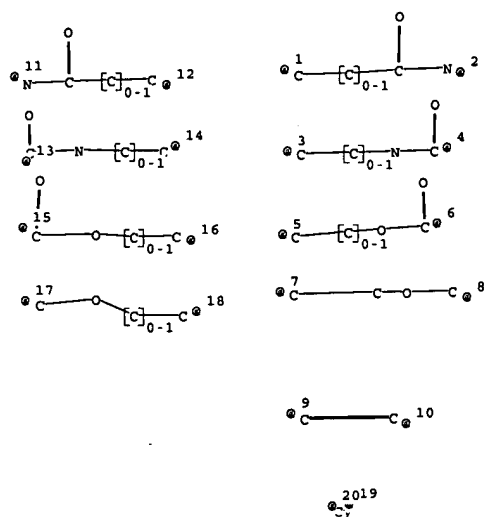
containing 78 :

G1: [*1-*2], [*3-*4], [*5-*6], [*7-*8], [*9-*10], [*11-*12], [*13-*14], [*15-*16], [*17-*18], [*19-*20]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS

30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS
38:CLASS 39:CLASS 40:CLASS 55:Atom 76:CLASS 77:CLASS 78:Atom 79:Atom 80:Atom
81:Atom 82:Atom 83:Atom 85:CLASS 86:CLASS 89:CLASS



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 55 77 89 90 91

ring nodes :

78 79 80 81 82 83

ring/chain nodes :

76 85 86

chain bonds :

1-2 2-3 3-4 3-19 5-6 6-7 7-8 8-20 9-10 10-11 11-12 12-21 13-14 14-16 15-16
17-18 22-23 23-24 23-38 24-25 26-27 26-39 27-28 28-29 30-31 30-40 31-32 32-33
34-35 35-36 36-37 76-77 76-89 79-89

ring/chain bonds :

76-85 76-86

ring bonds :

78-79 78-83 79-80 80-81 81-82 82-83

exact/norm bonds :

3-4 3-19 6-7 7-8 8-20 10-11 11-12 12-21 14-16 15-16 22-23 23-38 26-27 26-39
27-28 30-31 30-40 31-32 34-35 35-36 76-77 76-85 76-86 76-89 79-89

exact bonds :

1-2 2-3 5-6 9-10 13-14 17-18 23-24 24-25 28-29 32-33 36-37

normalized bonds :

78-79 78-83 79-80 80-81 81-82 82-83

isolated ring systems :

containing 78 :

G1: [*1-*2], [*3-*4], [*5-*6], [*7-*8], [*9-*10], [*11-*12], [*13-*14], [*15-*16], [*17-*18], [*19-*20]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS

30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS
38:CLASS 39:CLASS 40:CLASS 55:Atom 76:CLASS 77:CLASS 78:Atom 79:Atom 80:Atom
81:Atom 82:Atom 83:Atom 85:CLASS 86:CLASS 89:CLASS 90:CLASS 91:CLASS 92:CLASS
93:CLASS

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update
frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS
and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2
instead.
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14 Apr 09 ZDB will be removed from STN
NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:49:03 ON 09 MAY 2002

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:49:31 ON 09 MAY 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

DICTIONARY FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 09801933.str

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 10:50:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 10235 TO ITERATE

9.8% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

15 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

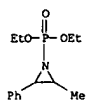
PROJECTED ITERATIONS: 198646 TO 210754

PROJECTED ANSWERS: 2327 TO 3813

L2 15 SEA SSS SAM L1

=> d scan

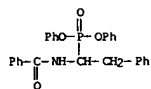
L2 15 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Phosphonic acid, (2-methyl-3-phenyl-1-aziridinyl)-, diethyl ester
 (8CI)
 MF C13 H20 N O3 P



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

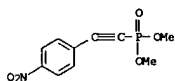
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 15 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Phosphonic acid, [1-(benzoylamino)-2-phenylethyl]-, diphenyl ester
 (9CI)
 MF C27 H24 N O4 P



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 15 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Phosphonic acid, [(4-nitrophenyl)ethynyl]-, dimethyl ester (9CI)
 MF C10 H10 N O5 P



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 sss full
FULL SEARCH INITIATED 10:55:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 203330 TO ITERATE

100.0% PROCESSED 203330 ITERATIONS
SEARCH TIME: 00.00.17

5169 ANSWERS

L3 5169 SEA SSS FUL L1

=> file caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	143.70	143.91

FILE 'CAPLUS' ENTERED AT 10:55:47 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 May 2002 VOL 136 ISS 19
FILE LAST UPDATED: 7 May 2002 (20020507/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s wo-200166553/pn
L4 1 WO-200166553/PN
(WO2001066553/PN)

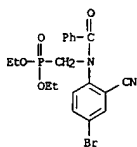
=> s l3 not l4
1705 L3
L5 1704 L3 NOT L4

=> s l5 and (fbpase OR diabet?)
331 FBPAASE
80984 DIABET?
L6 14 L5 AND (FBPAASE OR DIABET?)

=> d 1-14 cbib pi hitstr

L6 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS
 2002:275796 Document No. 136:299737 Diabetes remedies containing
 4-diethoxyphosphinoylmethyl-N-(4-bromo-2-cyanophenyl)-benzamide.
 Yin, Weidong; Tsutsumi, Kazuhiko (Otsuka Pharmaceutical Factory, Inc.,
 Japan).
 PCT Int. Appl. WO 2002028397 A1 20020411, 16 pp. DESIGNATED STATES:
 W: CN. (Japanese). CODEN: PIXXD2. APPLICATION: WO 2000-JP6741
 20000929.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002028397	A1	20020411	WO 2000-JP6741	20000929
W: CN				
WO 2002028398	A1	20020411	WO 2001-JP8497	20010928
W: AU, BR, CA, JP, KR, MX, RU, SG, US, ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,				
NL, PT, SE, TR				
IT 408305-08-8				
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
(diabetes remedies contg. 4-diethoxyphosphinoylmethyl-N-(4-bromo-2-cyanophenyl)-benzamide)				
RN 408305-08-8 CAPLUS				
CN Phosphonic acid, [(benzoyl(4-bromo-2-cyanophenyl)amino)methyl]-, diethyl ester (9CI) (CA INDEX NAME)				



L6 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 furanyl)phosphonic acid 358670-49-2P, (5-(2-(4-Chlorobenzyl)carbamoyl)phenyl)-2-furanyl)phosphonic acid 358670-50-5P, (5-(2-((2-(4-Chlorophenyl)ethyl)carbamoyl)phenyl)-2-furanyl)phosphonic acid 358670-51-6P, (5-(2-(Benzylsulfamoyl)phenyl)-2-furanyl)phosphonic acid 358670-52-7P, (5-(2-Sulfamoylphenyl)-2-furanyl)phosphonic acid 358670-53-8P, (5-Pentamethylphenyl-2-furanyl)phosphonic acid 358670-54-9P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid 358670-56-1P, (5-(4-Acetylamino-3-methylphenyl)-2-furanyl)phosphonic acid 358670-58-3P, (5-(2,4-Dichloro-6-methylphenyl)-2-furanyl)phosphonic acid 358670-59-4P, (5-(4-Hydroxy-2-carboethoxyphenyl)-2-furanyl)phosphonic acid 358670-60-7P, (5-(2-Carbamoyl-4-methylphenyl)-2-furanyl)phosphonic acid 358670-61-8P, (5-(2-Ethoxycarbonyl-4-hydroxyphenyl)-2-furanyl)phosphonic acid 358670-62-9P, (5-(4-Nitrophenyl)-2-furanyl)phosphonic acid 358670-63-0P, (5-(2-((2,4-Difluorophenyl)carbamoyl)phenyl)-2-furanyl)phosphonic acid 358670-64-1P, (5-(3,5-Dichlorophenyl)-2-furanyl)phosphonic acid 358670-65-2P, (5-(3-Hydroxyphenyl)-2-furanyl)phosphonic acid 358670-66-3P, (5-(5-Bromo-3-carboxyphenyl)-2-furanyl)phosphonic acid 358670-67-4P, (5-(5-Formyl-2,3-dimethoxyphenyl)-2-furanyl)phosphonic acid 358670-68-5P, (5-(2-Nitrophenyl)-2-furanyl)phosphonic acid 358670-69-6P, (5-(Biphenyl-2-yl)-2-furanyl)phosphonic acid 358670-70-9P, (5-(2-(Carboethoxy)phenyl)-2-furanyl)phosphonic acid 358670-71-0P, (5-(4-Bromophenyl)-2-furanyl)phosphonic acid 358670-72-1P, (5-(3-Propanoylphenyl)-2-furanyl)phosphonic acid 358670-73-2P, (5-(5-Cyano-2-methoxyphenyl)-2-furanyl)phosphonic acid 358670-74-3P, (5-(2-Ethylphenyl)-2-furanyl)phosphonic acid 358670-75-4P, (5-(6-Methyl-2-nitrophenyl)-2-furanyl)phosphonic acid 358670-76-5P, (5-(4-(Acetylamino)phenyl)-2-furanyl)phosphonic acid 358670-77-6P, (5-(2,3,4,5-Tetramethylphenyl)-2-furanyl)phosphonic acid 358670-78-7P, (5-(Biphenyl-3-yl)-2-furanyl)phosphonic acid 358670-79-8P, (5-(5-Chloro-2-sulfamoylphenyl)-2-furanyl)phosphonic acid 358670-80-1P, (5-(4-(((1-Pyrrolidinyl)acetyl)amino)phenyl)-2-furanyl)phosphonic acid 358670-81-2P, (5-(3,4-Dimethylphenyl)-2-furanyl)phosphonic acid 358670-82-3P, (5-(2,4-Dinitrophenyl)-2-furanyl)phosphonic acid 358670-83-4P, (5-(3-(Aminomethyl)phenyl)-2-furanyl)phosphonic acid 358670-84-5P, (5-(4-Amino-3-fluorophenyl)-2-furanyl)phosphonic acid 358670-85-6P, (5-(3-(Hydroxymethyl)phenyl)-2-furanyl)phosphonic acid 358670-86-7P, (5-(2-Bromophenyl)-2-furanyl)phosphonic acid 358670-87-8P, (5-(2-(2-Hydroxyethyl)phenyl)-2-furanyl)phosphonic acid 358670-88-9P, (5-(4-Carbamoylphenyl)-2-furanyl)phosphonic acid 358670-89-0P, (5-(4-Cyanophenyl)-2-furanyl)phosphonic acid 358670-90-3P, (5-(3-Cyanophenyl)-2-furanyl)phosphonic acid 358670-91-4P, (5-(2-Cyanophenyl)-2-furanyl)phosphonic acid 358670-92-5P, (5-(4-Amino-3-nitrophenyl)-2-furanyl)phosphonic acid 358670-93-6P, (5-(2-Isopropylphenyl)-2-furanyl)phosphonic acid 358670-95-8P, (5-(2-Amino-5-chlorophenyl)-2-furanyl)phosphonic acid 358670-96-9P, (5-(3-Chloro-5-fluorophenyl)-2-furanyl)phosphonic acid 358670-97-0P, (5-(2-Methyl-5-nitrophenyl)-2-furanyl)phosphonic acid 358670-98-1P, (5-(5-Fluoro-3-nitrophenyl)-2-furanyl)phosphonic acid 358670-99-2P, (5-(2-Amino-5-carboethoxyphenyl)-2-furanyl)phosphonic acid 358671-00-8P, (5-(2-Methoxy-5-nitrophenyl)-2-furanyl)phosphonic

L6 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS
 2002:51257 Document No. 136:123595 A combination of phosphonate or phosphorodiamidate PDPase inhibitors and antidiabetic agents useful for the treatment of diabetes. Van Poelje, Paul D.; Erion, Mark D.; Fujiwara, Toshihiko (Metabasis Therapeutics, Inc.,
 USA; Sankyo Company, Limited). PCT Int. Appl. WO 2002003978 A2 20020117, 392 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2.
 APPLICATION:

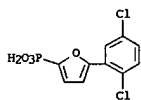
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001-US21557	A2	20010705	WO 2001-US21557	20010705
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
IT 358670-36-7P, (5-(3,5-Dinitrophenyl)-2-furanyl)phosphonic acid 358670-37-8P, (5-(2-Amino-3,5-dinitrophenyl)-2-furanyl)phosphonic acid 358670-38-9P, (5-(5-Chloro-2-methoxyphenyl)-2-furanyl)phosphonic acid 358670-39-0P, (5-(2,5-Dichlorophenyl)-2-furanyl)phosphonic acid 358670-40-3P, (5-(2-Methylsulfamoyl-5-(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid 358670-41-4P, (5-(5-Chloro-2-(methylsulfamoyl)phenyl)-2-furanyl)phosphonic acid 358670-42-5P, (5-(2-(Methylsulfamoyl)phenyl)-2-furanyl)phosphonic acid 358670-44-7P, (5-(2-Hydroxyphenyl)-2-furanyl)phosphonic acid 358670-45-8P, (5-(3,5-Dimethylphenyl)-2-furanyl)phosphonic acid 358670-46-9P, (5-(3-Bromophenyl)-2-furanyl)phosphonic acid 358670-47-0P, (5-(4-Aminophenyl)-2-furanyl)phosphonic acid 358670-48-1P, (5-(4-Chloro-2,5-dimethoxyphenyl)-2-				

L6 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 acid 358671-01-9P, (5-(2-Chloro-5-(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid 358671-02-0P, (5-(2,5-Bis(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid 358671-03-1P, (5-(4-Fluorophenyl)-2-furanyl)phosphonic acid 358671-04-2P, (5-(2,4-Dichlorophenyl)-2-furanyl)phosphonic acid 358671-05-3P, (5-(3-Amino-5-carboethoxyphenyl)-2-furanyl)phosphonic acid 358671-06-4P, (5-(3-Amino-4-bromophenyl)-2-furanyl)phosphonic acid 358671-07-5P, (5-(2-(Propylsulfamoyl)phenyl)-2-furanyl)phosphonic acid
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (combination of phosphonate or phosphorodiamidate PDPase inhibitors and antidiabetic agents useful for treatment of diabetes)
 RN 358670-36-7 CAPLUS
 CN Phosphonic acid, [5-(3,5-dinitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

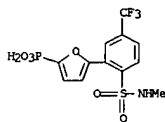
 RN 358670-37-8 CAPLUS
 CN Phosphonic acid, [5-(2-amino-3,5-dinitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

 RN 358670-38-9 CAPLUS
 CN Phosphonic acid, [5-(5-chloro-2-methoxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

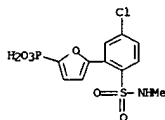
 RN 358670-39-0 CAPLUS
 CN Phosphonic acid, [5-(2,5-dichlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



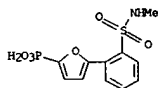
RN 358670-40-3 CAPLUS
CN Phosphonic acid, [5-[2-[(methylamino)sulfonyl]-5-(trifluoromethyl)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



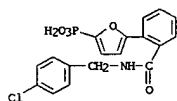
RN 358670-41-4 CAPLUS
CN Phosphonic acid, [5-[5-chloro-2-[(methylamino)sulfonyl]phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



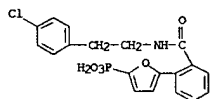
RN 358670-42-5 CAPLUS
CN Phosphonic acid, [5-[2-[(methylamino)sulfonyl]phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



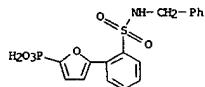
RN 358670-49-2 CAPLUS
CN Phosphonic acid, [5-[2-[[[(4-chlorophenyl)methyl]amino]carbonyl]phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



RN 358670-50-5 CAPLUS
CN Phosphonic acid, [5-[2-[[[2-(4-chlorophenyl)ethyl]amino]carbonyl]phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)

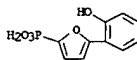


RN 358670-51-6 CAPLUS
CN Phosphonic acid, [5-[2-[(phenylmethyl)amino]sulfonyl]phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)

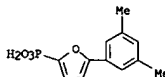


RN 358670-52-7 CAPLUS
CN Phosphonic acid, [5-[2-(aminosulfonyl)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)

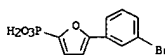
RN 358670-44-7 CAPLUS
CN Phosphonic acid, [5-(2-hydroxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



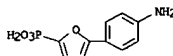
RN 358670-45-8 CAPLUS
CN Phosphonic acid, [5-(3,5-dimethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



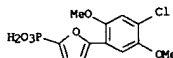
RN 358670-46-9 CAPLUS
CN Phosphonic acid, [5-(3-bromophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



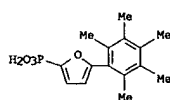
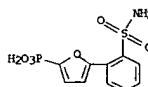
RN 358670-47-0 CAPLUS
CN Phosphonic acid, [5-(4-aminophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



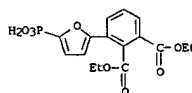
RN 358670-48-1 CAPLUS
CN Phosphonic acid, [5-(4-chloro-2,5-dimethoxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



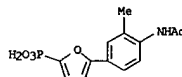
RN 358670-53-8 CAPLUS
CN Phosphonic acid, [5-(pentamethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



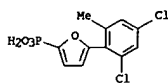
RN 358670-54-9 CAPLUS
CN 1,2-Benzenedicarboxylic acid, 3-(5-phosphono-2-furanyl)-, 1,2-diethyl ester (9CI) (CA INDEX NAME)



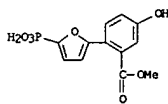
RN 358670-56-1 CAPLUS
CN Phosphonic acid, [5-[4-(acetamido)-3-methylphenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



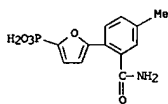
RN 358670-58-3 CAPLUS
CN Phosphonic acid, [5-(2,4-dichloro-6-methylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



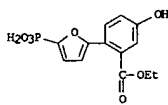
RN 358670-59-4 CAPLUS
CN Benzoic acid, 5-hydroxy-2-(5-phosphono-2-furanyl)-, 1-methyl ester (9CI)
(CA INDEX NAME)



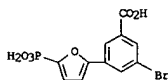
RN 358670-60-7 CAPLUS
CN Phosphonic acid, [5-[2-(aminocarbonyl)-4-methylphenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)



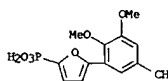
RN 358670-61-8 CAPLUS
CN Benzoic acid, 5-hydroxy-2-(5-phosphono-2-furanyl)-, 1-ethyl ester (9CI)
(CA INDEX NAME)



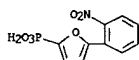
RN 358670-62-9 CAPLUS
CN Phosphonic acid, [5-(4-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



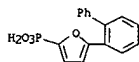
RN 358670-67-4 CAPLUS
CN Phosphonic acid, [5-(5-formyl-2,3-dimethoxyphenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)



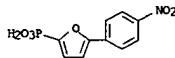
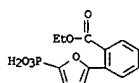
RN 358670-68-5 CAPLUS
CN Phosphonic acid, [5-(2-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



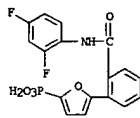
RN 358670-69-6 CAPLUS
CN Phosphonic acid, (5-[1,1'-biphenyl]-2-yl-2-furanyl)- (9CI) (CA INDEX NAME)



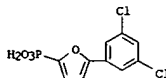
RN 358670-70-9 CAPLUS
CN Benzoic acid, 2-(5-phosphono-2-furanyl)-, 1-ethyl ester (9CI) (CA INDEX NAME)



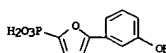
RN 358670-63-0 CAPLUS
CN Phosphonic acid, [5-[2-[[[2,4-difluorophenyl]amino]carbonyl]phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



RN 358670-64-1 CAPLUS
CN Phosphonic acid, [5-(3,5-dichlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

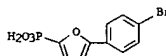


RN 358670-65-2 CAPLUS
CN Phosphonic acid, [5-(3-hydroxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

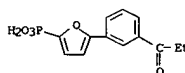


RN 358670-66-3 CAPLUS
CN Benzoic acid, 3-bromo-5-(5-phosphono-2-furanyl)- (9CI) (CA INDEX NAME)

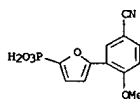
RN 358670-71-0 CAPLUS
CN Phosphonic acid, [5-(4-bromophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



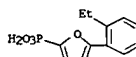
RN 358670-72-1 CAPLUS
CN Phosphonic acid, [5-(3-(1-oxopropyl)phenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



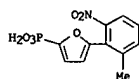
RN 358670-73-2 CAPLUS
CN Phosphonic acid, [5-(5-cyano-2-methoxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



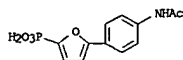
RN 358670-74-3 CAPLUS
CN Phosphonic acid, [5-(2-ethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



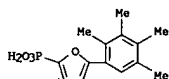
RN 358670-75-4 CAPLUS
CN Phosphonic acid, [5-(2-methyl-6-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



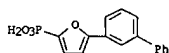
RN 358670-76-5 CAPLUS
CN Phosphonic acid, [5-[4-(acetylamino)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



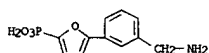
RN 358670-77-6 CAPLUS
CN Phosphonic acid, [5-(2,3,4,5-tetramethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



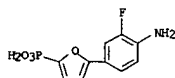
RN 358670-78-7 CAPLUS
CN Phosphonic acid, [5-[1,1'-biphenyl]-3-yl-2-furanyl]- (9CI) (CA INDEX NAME)



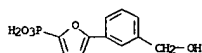
RN 358670-79-8 CAPLUS
CN Phosphonic acid, [5-[2-(aminosulfonyl)-5-chlorophenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



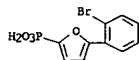
RN 358670-84-5 CAPLUS
CN Phosphonic acid, [5-(4-amino-3-fluorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



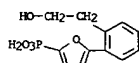
RN 358670-85-6 CAPLUS
CN Phosphonic acid, [5-[3-(hydroxymethyl)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



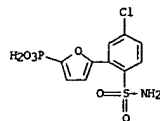
RN 358670-86-7 CAPLUS
CN Phosphonic acid, [5-(2-bromophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



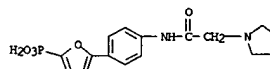
RN 358670-87-8 CAPLUS
CN Phosphonic acid, [5-[2-(2-hydroxyethyl)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



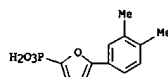
RN 358670-88-9 CAPLUS
CN Phosphonic acid, [5-[4-(aminocarbonyl)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



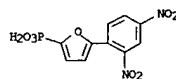
RN 358670-80-1 CAPLUS
CN Phosphonic acid, [5-[4-[(1-pyrrolidinylacetyl)amino]phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



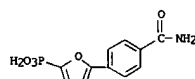
RN 358670-81-2 CAPLUS
CN Phosphonic acid, [5-(3,4-dimethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



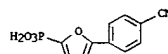
RN 358670-82-3 CAPLUS
CN Phosphonic acid, [5-(2,4-dinitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



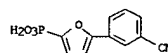
RN 358670-83-4 CAPLUS
CN Phosphonic acid, [5-[3-(aminomethyl)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)



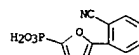
RN 358670-89-0 CAPLUS
CN Phosphonic acid, [5-(4-cyanophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



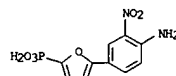
RN 358670-90-3 CAPLUS
CN Phosphonic acid, [5-(3-cyanophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



RN 358670-91-4 CAPLUS
CN Phosphonic acid, [5-(2-cyanophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

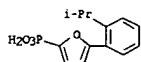


RN 358670-92-5 CAPLUS
CN Phosphonic acid, [5-(4-amino-3-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

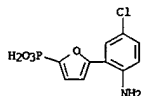


RN 358670-93-6 CAPLUS
CN Phosphonic acid, [5-[2-(1-methylethyl)phenyl]-2-furanyl]- (9CI) (CA INDEX NAME)

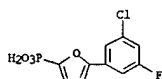
L6 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
NAME)



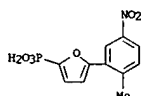
RN 358670-95-8 CAPLUS
CN Phosphonic acid, [5-(2-amino-5-chlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



RN 358670-96-9 CAPLUS
CN Phosphonic acid, [5-(3-chloro-5-fluorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

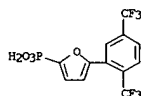


RN 358670-97-0 CAPLUS
CN Phosphonic acid, [5-(2-methyl-5-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

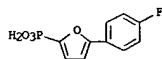


RN 358670-98-1 CAPLUS
CN Phosphonic acid, [5-(3-fluoro-5-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

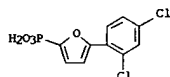
L6 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
CN Phosphonic acid, [5-(2,5-bis(trifluoromethyl)phenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



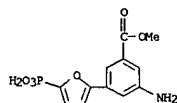
RN 358671-03-1 CAPLUS
CN Phosphonic acid, [5-(4-fluorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



RN 358671-04-2 CAPLUS
CN Phosphonic acid, [5-(2,4-dichlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

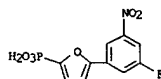


RN 358671-05-3 CAPLUS
CN Benzoic acid, 3-amino-5-(5-phosphono-2-furanyl)-, 1-methyl ester (9CI) (CA INDEX NAME)

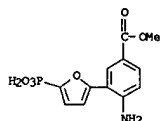


RN 358671-06-4 CAPLUS
CN Phosphonic acid, [5-(3-amino-4-bromophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

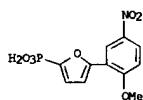
L6 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



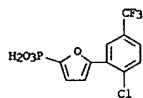
RN 358670-99-2 CAPLUS
CN Benzoic acid, 4-amino-3-(5-phosphono-2-furanyl)-, 1-methyl ester (9CI) (CA INDEX NAME)



RN 358671-00-8 CAPLUS
CN Phosphonic acid, [5-(2-methoxy-5-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

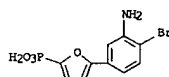


RN 358671-01-9 CAPLUS
CN Phosphonic acid, [5-(2-chloro-5-(trifluoromethyl)phenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

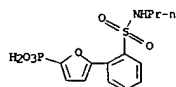


RN 358671-02-0 CAPLUS

L6 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 389057-32-3 CAPLUS
CN Phosphonic acid, [5-(2-[(propylamino)sulfonyl]phenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

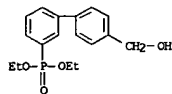


L6 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS
 2001:713360 Document No. 135:273076 Sulfur substituted
 phenyldifluoromethylphosphonic acids as PTP-1B inhibitors. Li, Chun
 Sing; Lau, Cheuk K.; Therien, Michel; Gauthier, Jacques Y.; Bayly,
 Christopher; Dufresne, Claude; Fortin, Rejean; Leblanc, Yves; Roy, Patrick; Wang,
 Zhaoyin (Merck Frost Canada & Co., Can.). PCT Int. Appl. WO
 2001070753
 A1 20010927, 337 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU,
 AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ,
 EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR,
 KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
 UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF,
 BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU,
 MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXX02.
 APPLICATION: WO 2001-CA373 20010321. PRIORITY: US 2000-PV191369
 20000322.

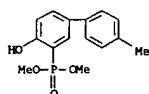
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070753	A1	20010927	WO 2001-CA373	20010321

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,
 LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
 RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
 VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CH, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 2002002149 A1 20020103 US 2001-813499 20010321
 IT 346418-28-8P 346418-71-1P 346418-75-5P
 362527-67-1P 362527-68-2P 362527-79-5P
 362527-80-8P 362527-91-1P 362527-92-2P,
 4''-Methyl-1,1':4',1''-terphenyl-2'-ylphosphonic acid dimethyl ester
 362527-93-3P, 4''-Bromomethyl-1,1':4',1''-terphenyl-2'-
 ylphosphonic acid dimethyl ester 362527-94-4P,
 4''-[4-[(Diethoxyphosphoryl)difluoromethyl]benzylthiomethyl]-1,1':4',1''-
 terphenyl-2'-ylphosphonic acid dimethyl ester 362527-96-6P
 362527-98-7P 362527-98-8P 362528-00-5P
 362528-01-6P 362528-02-7P 362528-04-9P

L6 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 362528-05-0P 362528-06-1P 362528-08-3P
 362528-09-4P 362528-10-7P 362528-16-3P
 362528-19-6P 362528-22-1P 362528-23-2P
 362528-24-3P 362528-25-4P 362528-26-5P
 362528-39-0P 362528-40-3P 362528-41-4P
 362528-42-5P 362528-43-6P 362528-45-8P
 362528-47-0P 362528-49-2P 362528-50-5P
 362528-02-3P 362528-83-4P
 RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT
 (Reactant or reagent)
 (intermediate; sulfur substituted phenyldifluoromethylphosphonic
 acids as PTP-1B inhibitors)
 RN 346418-28-8 CAPLUS
 CN Phosphonic acid, [4'-(hydroxymethyl)[1,1'-biphenyl]-3-yl]-, diethyl
 ester
 (9CI) (CA INDEX NAME)

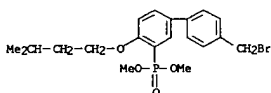


RN 346418-71-1 CAPLUS
 CN Phosphonic acid, (4'-hydroxy-4''-methyl[1,1'-biphenyl]-3-yl)-, dimethyl
 ester (9CI) (CA INDEX NAME)

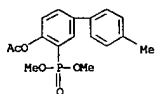


RN 346418-75-5 CAPLUS
 CN Phosphonic acid,
 [4''-(bromomethyl)-4-(3-methylbutoxy)[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)

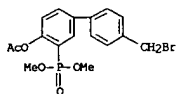
L6 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



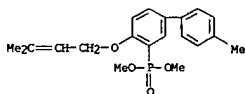
RN 362527-67-1 CAPLUS
 CN Phosphonic acid, [4-(acetyloxy)-4''-methyl[1,1'-biphenyl]-3-yl]-,
 dimethyl
 ester (9CI) (CA INDEX NAME)



RN 362527-68-2 CAPLUS
 CN Phosphonic acid,
 [4-(acetyloxy)-4''-(bromomethyl)[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)

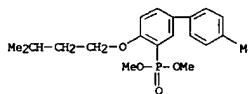


RN 362527-79-5 CAPLUS
 CN Phosphonic acid,
 [4''-methyl-4-[(3-methyl-2-butenyl)oxy][1,1'-biphenyl]-3-
 yl]-, dimethyl ester (9CI) (CA INDEX NAME)

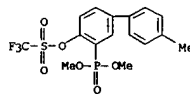


RN 362527-80-8 CAPLUS

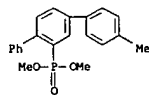
L6 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 CN Phosphonic acid, [4''-methyl-4-(3-methylbutoxy)[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)



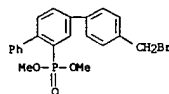
RN 362527-91-1 CAPLUS
 CN Methanesulfonic acid, trifluoro-,
 3-(dimethoxyphosphinyl)-4''-methyl[1,1'-
 biphenyl]-4-yl ester (9CI) (CA INDEX NAME)



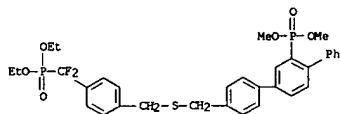
RN 362527-92-2 CAPLUS
 CN Phosphonic acid, (4''-methyl[1,1':4',1''-terphenyl]-2'-yl)-, dimethyl
 ester (9CI) (CA INDEX NAME)



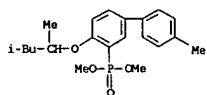
RN 362527-93-3 CAPLUS
 CN Phosphonic acid, [4''-(bromomethyl)[1,1':4',1''-terphenyl]-2'-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)



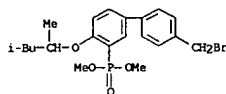
L6 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 RN 362527-94-4 CAPLUS
 CN Phosphonic acid,
 [4'-[[[4-[(diethoxyphosphinyl)difluoromethyl]phenyl]met
 hyl]thio]methyl][1,1':4',1''-terphenyl]-2'-yl]-, dimethyl ester
 (9CI) (CA INDEX NAME)



RN 362527-96-6 CAPLUS
 CN Phosphonic acid,
 [4-(1,3-dimethylbutoxy)-4'-methyl[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)

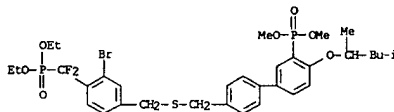


RN 362527-97-7 CAPLUS
 CN Phosphonic acid,
 [4'-(bromomethyl)-4-(1,3-dimethylbutoxy)[1,1'-biphenyl]-3-
 yl]-, dimethyl ester (9CI) (CA INDEX NAME)

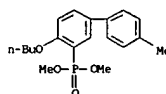


RN 362527-98-8 CAPLUS
 CN Phosphonic acid,
 [4'-[[[3-bromo-4-[(diethoxyphosphinyl)difluoromethyl]phe
 nyl]methyl]thio]methyl]-4-(1,3-dimethylbutoxy)[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)

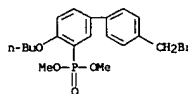
L6 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 362528-00-5 CAPLUS
 CN Phosphonic acid, [4-butoxy-4'-methyl[1,1'-biphenyl]-3-yl]-, dimethyl
 ester (9CI) (CA INDEX NAME)

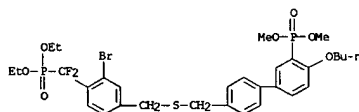


RN 362528-01-6 CAPLUS
 CN Phosphonic acid, [4'-(bromomethyl)-4-butoxy[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)

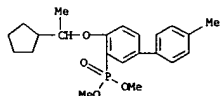


RN 362528-02-7 CAPLUS
 CN Phosphonic acid,
 [[2-bromo-4-[[[4'-butoxy-3'-(dimethoxyphosphinyl)[1,1'-
 biphenyl]-4-yl]methyl]thio]methyl]phenyl]difluoromethyl]-, diethyl
 ester (9CI) (CA INDEX NAME)

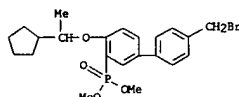
L6 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



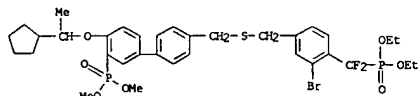
RN 362528-04-9 CAPLUS
 CN Phosphonic acid,
 [4-(1-cyclopentylethoxy)-4'-methyl[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)



RN 362528-05-0 CAPLUS
 CN Phosphonic acid,
 [4'-(bromomethyl)-4-(1-cyclopentylethoxy)[1,1'-biphenyl]-3-
 yl]-, dimethyl ester (9CI) (CA INDEX NAME)

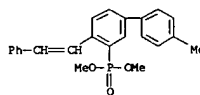


RN 362528-06-1 CAPLUS
 CN Phosphonic acid, [[2-bromo-4-[[[4'-(1-cyclopentylethoxy)-3'-
 (dimethoxyphosphinyl)[1,1'-biphenyl]-4-yl]methyl]thio]methyl]phenyl]difluo
 romethyl]-, diethyl ester (9CI) (CA INDEX NAME)

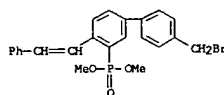


L6 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)

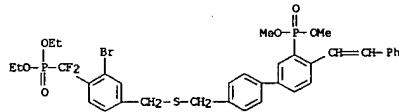
RN 362528-08-3 CAPLUS
 CN Phosphonic acid, [4'-methyl-4-(2-phenylethenyl)[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)



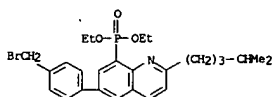
RN 362528-09-4 CAPLUS
 CN Phosphonic acid,
 [4'-(bromomethyl)-4-(2-phenylethenyl)[1,1'-biphenyl]-3-
 yl]-, dimethyl ester (9CI) (CA INDEX NAME)



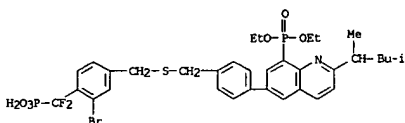
RN 362528-10-7 CAPLUS
 CN Phosphonic acid,
 [4'-[[[3-bromo-4-[(diethoxyphosphinyl)difluoromethyl]phe
 nyl]methyl]thio]methyl]-4-(2-phenylethenyl)[1,1'-biphenyl]-3-yl]-,
 dimethyl ester (9CI) (CA INDEX NAME)



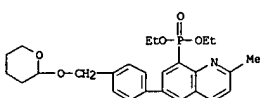
RN 362528-16-3 CAPLUS
 CN Phosphonic acid, [6-[4-(bromomethyl)phenyl]-2-(4-methylpentyl)-8-
 quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



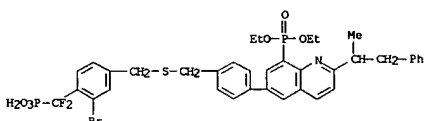
RN 362528-19-6 CAPLUS
CN Phosphonic acid, [[2-bromo-4-[[[4-[8-(diethoxyphosphinyl)-2-(1,3-dimethylbutyl)-6-quinolinyl]phenyl]methyl]thio]methyl]phenyl]difluoromethyl]- (9CI) (CA INDEX NAME)



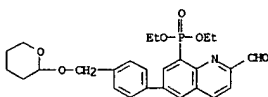
RN 362528-22-1 CAPLUS
CN Phosphonic acid, [2-methyl-6-[4-[[[tetrahydro-2H-pyran-2-yl]oxy]methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



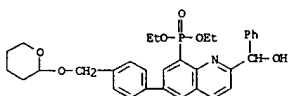
RN 362528-23-2 CAPLUS
CN Phosphonic acid, [2-ethyl-6-[4-[[[tetrahydro-2H-pyran-2-yl]oxy]methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



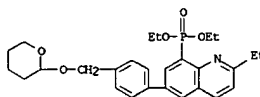
RN 362528-39-0 CAPLUS
CN Phosphonic acid, [2-formyl-6-[4-[[[tetrahydro-2H-pyran-2-yl]oxy]methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



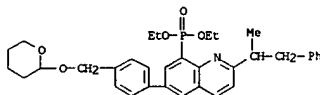
RN 362528-40-3 CAPLUS
CN Phosphonic acid, [2-(hydroxyphenylmethyl)-6-[4-[[[tetrahydro-2H-pyran-2-yl]oxy]methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



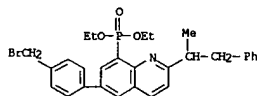
RN 362528-41-4 CAPLUS
CN Phosphonic acid, [2-benzoyl-6-[4-[[[tetrahydro-2H-pyran-2-yl]oxy]methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



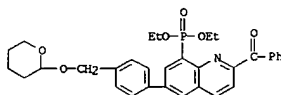
RN 362528-24-3 CAPLUS
CN Phosphonic acid, [2-(1-methyl-2-phenylethyl)-6-[4-[[[tetrahydro-2H-pyran-2-yl]oxy]methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



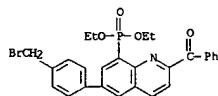
RN 362528-25-4 CAPLUS
CN Phosphonic acid, [6-[4-(bromomethyl)phenyl]-2-(1-methyl-2-phenylethyl)-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



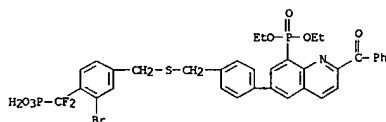
RN 362528-26-5 CAPLUS
CN Phosphonic acid, [[2-bromo-4-[[[4-[8-(diethoxyphosphinyl)-2-(1-methyl-2-phenylethyl)-6-quinolinyl]phenyl]methyl]thio]methyl]phenyl]difluoromethyl]- (9CI) (CA INDEX NAME)



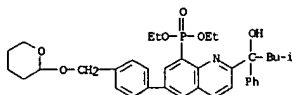
RN 362528-42-5 CAPLUS
CN Phosphonic acid, [2-benzoyl-6-[4-(bromomethyl)phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



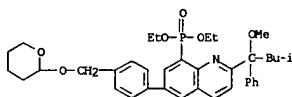
RN 362528-43-6 CAPLUS
CN Phosphonic acid, [2-benzoyl-6-[4-[[[3-bromo-4-(difluorophosphonomethyl)phenyl]methyl]thio]methyl]phenyl]-8-quinolinyl]-, O,O-diethyl ester (9CI) (CA INDEX NAME)



RN 362528-45-8 CAPLUS
CN Phosphonic acid, [2-(1-hydroxy-3-methyl-1-phenylbutyl)-6-[4-[[[tetrahydro-2H-pyran-2-yl]oxy]methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



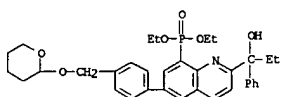
RN 362528-47-0 CAPLUS
CN Phosphonic acid,
[2-(1-methoxy-3-methyl-1-phenylbutyl)-6-[4-{{(tetrahydro-
2H-pyran-2-yl)oxymethyl}phenyl]-8-quinolinyl]-, diethyl ester (9CI)
(CA
INDEX NAME)



```

RN      362528-49-2  CAPLUS
CN      Phosphonic acid,
[2-(1-hydroxy-1-phenylpropyl)-6-[4-[[tetrahydro-2H-pyran-
2-yl)oxy)methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA
INDEX
      (NAME)

```



```

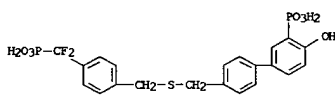
RN      362528-50-5  CAPLUS
CN      Phosphonic acid,
[2-(1-methoxy-1-phenylpropyl)-6-[4-[[tetrahydro-2H-pyran-
2-yl)oxy)methyl]phenyl]-8-quinolinyl]-, diethyl ester (9CI) (CA
INDEX
NAME1

```

```

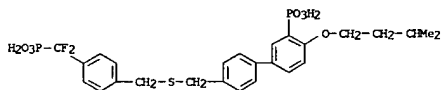
INhibitors
RN      362527-66-0  CAPLUS
CN      Phosphonic acid,
[di]fluoro[4-[[[(4'-hydroxy-3'-phosphono[1,1'-biphenyl]-4-
yl)methyl]thio]methyl]phenyl)methyl]-, tetrasodium salt (9CI) (CA
INDEX
NAME)

```



●4 Na

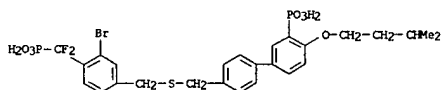
RN 362527-78-4 CAPLUS
 CN Phosphonic acid,
 [difluoro[4-{[[[4'-(3-methylbutoxy)-3'-phosphono[1,1'-
 biphenyl]-4-yl]methyl]thio]methyl]phenyl]methyl]- (9CI) (CA INDEX
 NAME)



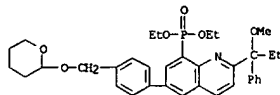
```

RN      362527-81-9  CAPLUS
CN      Phosphonic acid,
4'-[{{{[3-bromo-4-(difluorophosphonomethyl)phenyl]methyl}
thio]methyl}-4-(3-methylbutoxy)[1,1'-biphenyl]-3-yl}- (9CI) (CA
INDEX
NAME)

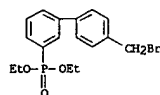
```



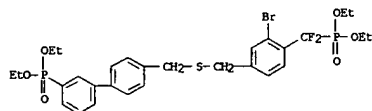
RN 362527-90-0 CAPLUS
CN Phosphonic acid,
[4''-[[[4-(difluorophosphonomethyl)phenyl]methyl]thio]me



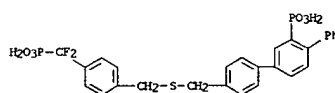
RN 362528-82-3 CAPLUS
CN Phosphonic acid, [4'-(bromomethyl)[1,1'-biphenyl]-3-yl]-, diethyl
ester
(9CI) (CA INDEX NAME)



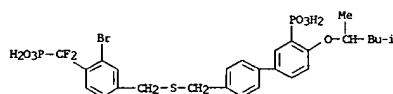
RN 362528-83-4 CAPLUS
CN Phosphonic acid,
[[2-bromo-4-[[[3'-(diethoxyphosphinyl)[1,1'-biphenyl]-4-
yl)methyl]thio)methyl]phenyl]difluoromethyl]-, diethyl ester (9CI)
(CA
INDEX NAME)



IT 362527-66-0P 362527-70-4P 362527-81-9P
362527-90-0P, 4'-[4-(di(1,1,1-trifluorophenyl)benzylthiomethyl)-
[1,1',4',1''terphenyl-2''-yl]phosphonic acid 362527-95-5P,
4'-[3-Bromo-4-(di(1,1,1-trifluorophenyl)benzylthiomethyl)-4-(1,3-
dimethylbutoxy)biphenyl-3-yl]phosphonic acid tetrasodium salt
362527-99-9P 362528-03-8P 362528-07-2P
362528-11-8P 362528-20-9P 362528-32-3P
362528-33-4P 362528-38-9P 362528-44-7P
362528-48-1P 362528-81-2P
RL: BAC (Biological activity or effector, except adverse); BSU
(Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic
use).

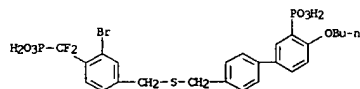


RN 362527-95-5 CAPLUS
CN Phosphonic acid,
[4'-[[[3-bromo-4-(difluorophosphonomethyl)phenyl]methyl]
thio]methyl]-4-(1,3-dimethylbutoxy)[1,1'-biphenyl]-3-yl]-, tetrasodium
salt (9CI) (CA INDEX NAME)



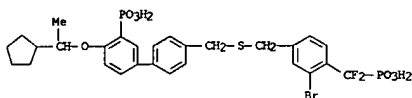
●4 Na

RN 362527-99-9 CAPLUS
CN Phosphonic acid,
[[2-bromo-4-[[[4'-butoxy-3'-phosphono[1,1'-biphenyl]-4-
yl)methyl]thio]methyl]phenyl]difluoromethyl]-, tetrasodium salt (9CI)
(CA
INDEX NAME)



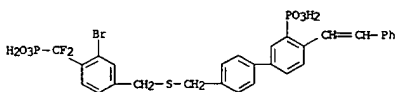
4 Na

RM 362528-03-8 CAPLUS
 CN Phosphonic acid, [[2-bromo-4-[[[4'- (1-cyclopentylethoxy)-3'-
 phosphono[1,1'-biphenyl]-4-yl]methyl]thio]methyl]phenyl]difluoromethyl]-
 tetrasodium salt (9CI) (CA INDEX NAME)



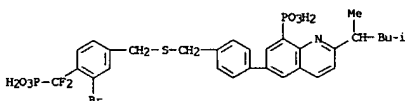
●4 Na

RN 362528-07-2 CAPLUS
 CN Phosphonic acid,
 [4'-[[[3-bromo-4-(difluorophosphonomethyl)phenyl]methyl]
 thio]methyl]-4-(2-phenylethenyl)[1,1'-biphenyl]-3-yl]-, tetrasodium
 salt
 (9CI) (CA INDEX NAME)

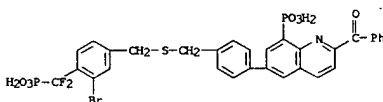


●4 Na

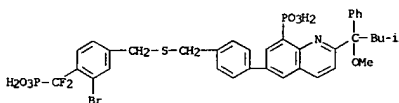
RN 362528-11-8 CAPLUS
 CN Phosphonic acid,
 [6-[4-[[[3-bromo-4-(difluorophosphonomethyl)phenyl]methy
 l]thio]methyl]phenyl]-2-(1,3-dimethylbutyl)-8-quinolinyl]- (9CI) (CA
 INDEX NAME)



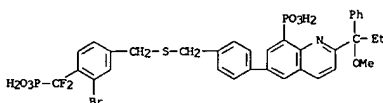
RN 362528-20-9 CAPLUS
 CN Phosphonic acid,
 [6-[4-[[[3-bromo-4-(difluorophosphonomethyl)phenyl]methy
 l]thio]methyl]phenyl]-2-(1-methyl-2-phenylethyl)-8-quinolinyl]-
 (9CI) (CA
 INDEX NAME)



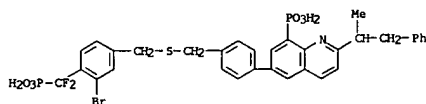
RN 362528-44-7 CAPLUS
 CN Phosphonic acid,
 [6-[4-[[[3-bromo-4-(difluorophosphonomethyl)phenyl]methy
 l]thio]methyl]phenyl]-2-(1-methoxy-3-methyl-1-phenylbutyl)-8-quinolinyl]-
 (9CI) (CA INDEX NAME)



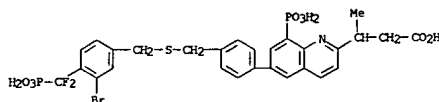
RN 362528-48-1 CAPLUS
 CN Phosphonic acid,
 [6-[4-[[[3-bromo-4-(difluorophosphonomethyl)phenyl]methy
 l]thio]methyl]phenyl]-2-(1-methoxy-1-phenylpropyl)-8-quinolinyl]-
 (9CI)
 (CA INDEX NAME)



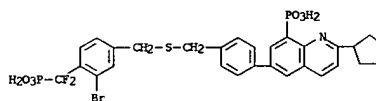
RN 362528-81-2 CAPLUS
 CN Phosphonic acid,
 [4'-[[[3-bromo-4-(difluorophosphonomethyl)phenyl]methyl]
 thio]methyl][1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)



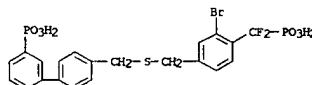
RN 362528-32-3 CAPLUS
 CN 2-Quinolinepropanoic acid, 6-[4-[[[3-bromo-4-
 (difluorophosphonomethyl)phenyl]methyl]thio]methyl]phenyl]-.beta.-methyl-8-
 phosphono- (9CI) (CA INDEX NAME)



RN 362528-33-4 CAPLUS
 CN Phosphonic acid, [[2-bromo-4-[[[4-(2-cyclopentyl-8-phosphono-6-
 quinolinyl)phenyl]methyl]thio]methyl]phenyl]difluoromethyl]- (9CI)
 (CA
 INDEX NAME)

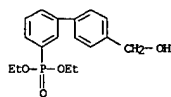


RN 362528-38-9 CAPLUS
 CN Phosphonic acid, [2-benzoyl-6-[4-[[[3-bromo-4-
 (difluorophosphonomethyl)phenyl]methyl]thio]methyl]phenyl]-8-quinolinyl]-
 (9CI) (CA INDEX NAME)

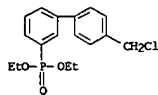


L6 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS
 2001:472728 Document No. 135:61438 Phosphonic acid biaryl derivatives as inhibitors of protein tyrosine phosphatase 1B (PTP-1B). Lau, Cheuk Kun; Bayly, Christopher; Gauthier, Jacques Yves; Leblanc, Yves; Li, Chun Sing; Roy, Patrick; Therien, Michel; Wang, Zhaoyin (Merck Frosst Canada + Co., Can.). PCT Int. Appl. WO 2001046203 A1 20010628, 111 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2000-CA1547 20001221. PRIORITY: US 1999-PV171376 19991222. PATENT NO. KIND DATE APPLICATION NO. DATE
 FI WO 2001046203 A1 20010628 WO 2000-CA1547 20001221
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 2002052346 A1 20020502 US 2000-745199 20001221
 IT 346418-28-8P 346418-29-9P 346418-31-3P 346418-37-9P 346418-38-0P 346418-39-1P 346418-57-3P 346418-58-4P 346418-59-5P 346418-65-3P 346418-71-1P 346418-72-2P 346418-73-3P 346418-74-4P 346418-75-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preph. of phosphonic acid biaryl derivs. as inhibitors of protein tyrosine phosphatase 1B)

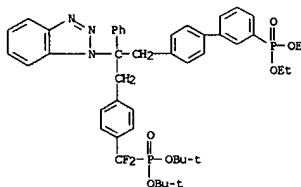
L6 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 RN 346418-28-8 CAPLUS
 CN Phosphonic acid, [4'-(hydroxymethyl)[1,1'-biphenyl]-3-yl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 346418-29-9 CAPLUS
 CN Phosphonic acid, [4'-(chloromethyl)[1,1'-biphenyl]-3-yl]-, diethyl ester (9CI) (CA INDEX NAME)

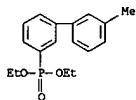


RN 346418-31-3 CAPLUS
 CN Phosphonic acid, [4'-[2-(1H-benzotriazol-1-yl)-3-[4-[[bis(1,1-dimethylethoxy)phosphinyl]difluoromethyl]phenyl]-2-phenylpropyl][1,1'-biphenyl]-3-yl]-, diethyl ester (9CI) (CA INDEX NAME)

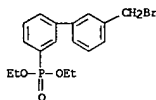


RN 346418-37-9 CAPLUS
 CN Phosphonic acid, [3'-methyl[1,1'-biphenyl]-3-yl]-, diethyl ester (9CI) (CA INDEX NAME)

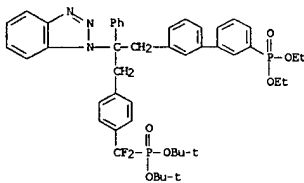
L6 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 346418-38-0 CAPLUS
 CN Phosphonic acid, [3'-(bromomethyl)[1,1'-biphenyl]-3-yl]-, diethyl ester (9CI) (CA INDEX NAME)

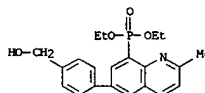


RN 346418-39-1 CAPLUS
 CN Phosphonic acid, [3'-[2-(1H-benzotriazol-1-yl)-3-[4-[[bis(1,1-dimethylethoxy)phosphinyl]difluoromethyl]phenyl]-2-phenylpropyl][1,1'-biphenyl]-3-yl]-, diethyl ester (9CI) (CA INDEX NAME)

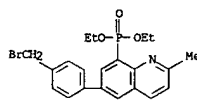


RN 346418-57-3 CAPLUS
 CN Phosphonic acid, [6-[4-(hydroxymethyl)phenyl]-2-methyl-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)

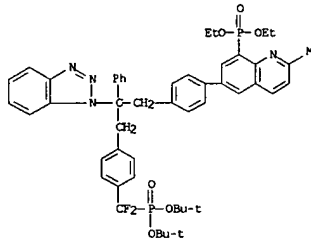
L6 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



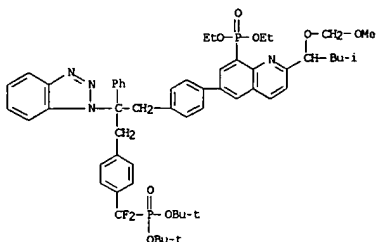
RN 346418-58-4 CAPLUS
 CN Phosphonic acid, [6-[4-(bromomethyl)phenyl]-2-methyl-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



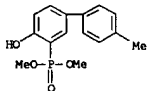
RN 346418-59-5 CAPLUS
 CN Phosphonic acid, [6-[4-[2-(1H-benzotriazol-1-yl)-3-[4-[[bis(1,1-dimethylethoxy)phosphinyl]difluoromethyl]phenyl]-2-phenylpropyl]phenyl]-2-methyl-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



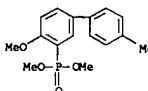
RN 346418-65-3 CAPLUS
 CN Phosphonic acid, [6-[4-[2-(1H-benzotriazol-1-yl)-3-[4-[[bis(1,1-dimethylethoxy)phosphinyl]difluoromethyl]phenyl]-2-phenylpropyl]phenyl]-2-[1-(methoxymethoxy)-3-methylbutyl]-8-quinolinyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 346418-71-1 CAPLUS
CN Phosphonic acid, [4-hydroxy-4'-methyl[1,1'-biphenyl]-3-yl]-, dimethyl ester (9CI) (CA INDEX NAME)

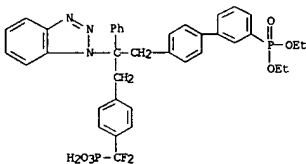


RN 346418-72-2 CAPLUS
CN Phosphonic acid, [4-methoxy-4'-methyl[1,1'-biphenyl]-3-yl]-, dimethyl ester (9CI) (CA INDEX NAME)

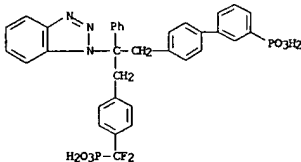


RN 346418-73-3 CAPLUS
CN Phosphonic acid, [4'-(bromomethyl)-4-methoxy[1,1'-biphenyl]-3-yl]-, dimethyl ester (9CI) (CA INDEX NAME)

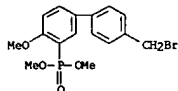
CN Phosphonic acid, [[4-[2-(1H-benzotriazol-1-yl)-3-[3'-(diethoxyphosphinyl)-4'-methoxy[1,1'-biphenyl]-2-phenylpropyl]phenyl]difluoromethyl]- (9CI) (CA INDEX NAME)



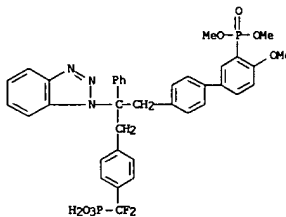
RN 346418-02-8 CAPLUS
CN Phosphonic acid, [4'-[2-(1H-benzotriazol-1-yl)-3-[4-(difluorophosphonomethyl)phenyl]-2-phenylpropyl][1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)



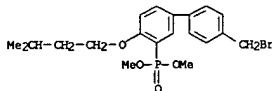
RN 346418-06-2 CAPLUS
CN Phosphonic acid, [3'-[2-(1H-benzotriazol-1-yl)-3-[4-(difluorophosphonomethyl)phenyl]-2-phenylpropyl][1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)



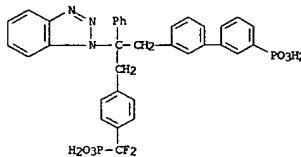
RN 346418-74-4 CAPLUS
CN Phosphonic acid, [[4-[2-(1H-benzotriazol-1-yl)-3-[3'-(dimethoxyphosphinyl)-4'-methoxy[1,1'-biphenyl]-4-yl]-2-phenylpropyl]phenyl]difluoromethyl]- (9CI) (CA INDEX NAME)



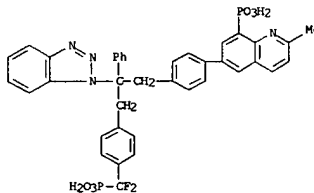
RN 346418-75-5 CAPLUS
CN Phosphonic acid, [4'-(bromomethyl)-4-(3-methylbutoxy)[1,1'-biphenyl]-3-yl]-, dimethyl ester (9CI) (CA INDEX NAME)



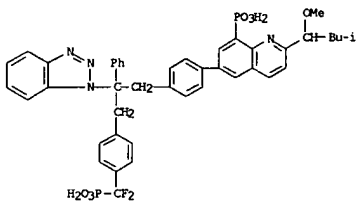
IT 346418-01-7P 346418-02-8P 346418-06-2P
346418-15-3P 346418-16-4P 346418-17-5P
346418-18-6P 346418-23-3P 346418-24-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of phosphonic acid biaryl derivs. as inhibitors of protein tyrosine phosphatase 1B)
RN 346418-01-7 CAPLUS



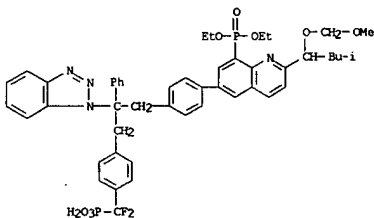
RN 346418-15-3 CAPLUS
CN Phosphonic acid, [6-[4-[2-(1H-benzotriazol-1-yl)-3-[4-(difluorophosphonomethyl)phenyl]-2-phenylpropyl]phenyl]-2-methyl-8-quinoliny]- (9CI) (CA INDEX NAME)



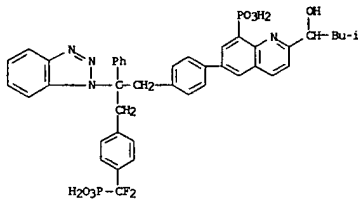
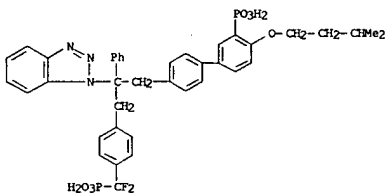
RN 346418-16-4 CAPLUS
CN Phosphonic acid, [6-[4-[2-(1H-benzotriazol-1-yl)-3-[4-(difluorophosphonomethyl)phenyl]-2-phenylpropyl]phenyl]-2-(1-methoxy-3-methylbutyl)-8-quinoliny]- (9CI) (CA INDEX NAME)



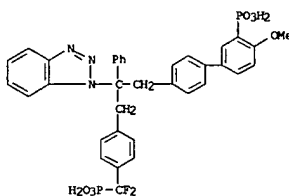
RN 346418-17-5 CAPLUS
 CN Phosphonic acid, [[4-[2-(1H-benzotriazol-1-yl)-3-[4-(diethoxyphosphoryl)-2-(1-methoxymethoxy)-3-methylbutyl]-6-quinolinyl]phenyl]-2-phenylpropyl]phenyl]difluoromethyl]- (9CI) (CA INDEX NAME)



RN 346418-18-6 CAPLUS
 CN Phosphonic acid, [6-[4-[2-(1H-benzotriazol-1-yl)-3-[4-(difluorophosphonomethyl)phenyl]-2-phenylpropyl]phenyl]-2-(1-hydroxy-3-methylbutyl)-8-quinolinyl]- (9CI) (CA INDEX NAME)



RN 346418-23-3 CAPLUS
 CN Phosphonic acid, [4'-[2-(1H-benzotriazol-1-yl)-3-[4-(difluorophosphonomethyl)phenyl]-2-phenylpropyl]-4-methoxy[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)



RN 346418-24-4 CAPLUS
 CN Phosphonic acid, [4'-[2-(1H-benzotriazol-1-yl)-3-[4-(difluorophosphonomethyl)phenyl]-2-phenylpropyl]-4-(3-methylbutoxy)[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)

2001:78387 Document No. 134:131538 Preparation of imidazoimidazoles and triazoles as anti-inflammatory agents. Wu, Jiang-Ping; Kelly, Terence Alfred; Lemieux, Rene M.; Goldberg, Daniel R.; Emeigh, Jonathan Emilian;

Sorcek, Ronald J. (Boehringer Ingelheim Pharmaceuticals, Inc., USA).

PCT Int. Appl. WO 2001007440 A1 20010201, 368 pp. DESIGNATED STATES: W:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English).

CODEN: PIXXD2. APPLICATION: WO 2000-US18884 20000712. PRIORITY: US 1999-PV144905 19990721; US 1999-PV150939 19990826.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO	2001007440	A1	20010201
			WO	2000-US18884
				20000712

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

BR 2000012666 A 20020409 BR 2000-12666 20000712

NO 2002000275 A 20020204 NO 2002-275 20020118

IT 321720-02-9P 321721-52-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

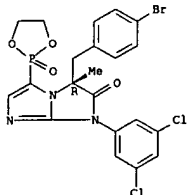
BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of imidazoimidazole and imidazotriazole derivs. as

inhibitors of leukointegrin binding to cell adhesion mols. in the treatment of inflammatory and immune-cell mediated diseases)

RN 321720-02-9 CAPLUS

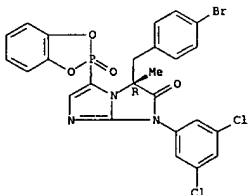
L6 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 CN 1H-Imidazo[1,2-a]imidazol-2(3H)-one,
 3-[(4-bromophenyl)methyl]-1-(3,5-dichlorophenyl)-3-methyl-5-(2-oxido-1,3,2-dioxaphospholan-2-yl)-,
 (3R)-
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



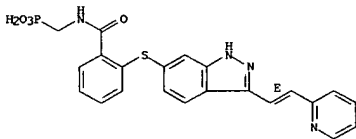
RN 321721-52-2 CAPLUS
 CN 1H-Imidazo[1,2-a]imidazol-2(3H)-one,
 3-[(4-bromophenyl)methyl]-1-(3,5-dichlorophenyl)-3-methyl-5-(2-oxido-1,3,2-benzodioxaphosphol-2-yl)-,
 (3R)-
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 as modulators and inhibitors of protein kinases in the treatment
 of
 tumor growth, cellular proliferation, and angiogenesis)
 RN 319466-40-5 CAPLUS
 CN Phosphonic acid, [[2-[[3-[(1E)-2-(2-pyridinyl)ethenyl]-1H-indazol-6-yl]thio]benzoyl]amino]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L6 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS
 2001:31473 Document No. 134:100864 Indazole compounds and pharmaceutical compositions for inhibiting protein kinases, and methods for their use.

Kania, Robert Steven; Bender, Steven Lee; Borchardt, Allen J.; Braganza, John F.; Cripps, Stephan James; Hua, Yi; Johnson, Michael David; Johnson, Theodore Otto, Jr.; Luu, Hiep The; Palmer, Cynthia Louise; Reich, Siegfried Heinz; Tempczyk-russell, Anna Maria; Teng, Min; Thomas, Christine; Varney, Michael David; Wallace, Michael Brennan (Agouron Pharmaceuticals, Inc., USA). PCT Int. Appl. WO 2001002369 A2

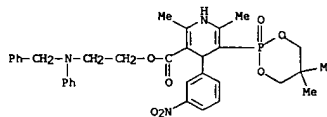
20010111,
 439 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2000-US18263 20000630. PRIORITY: US 1999-PV142130 19990702.

PATENT NO. KIND DATE APPLICATION NO. DATE
 WO 2001002369 A2 20010111 WO 2000-US18263 20000630
 PI W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 NO 2001005797 A 20020301 NO 2001-5797 20011128
 IT 319466-40-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of combinatorial libraries of aryl-substituted indazole derivs.

L6 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS
 1999:765237 Document No. 132:30575 Effects of the antihypertensive drug nifedipine on albuminuria and renal histopathology in young spontaneously hypertensive rats with diabetes. Kaneko, Shougo; Takizawa, Hiroyuki; Takeda, Masahiro; Shou, Ichiyu; Tomino, Yasuhiko (Division of Nephrology, Department of Medicine, Juntendo University School of Medicine, Tokyo, 113, Japan). General Pharmacology, 33(5), 363-367 (English) 1999. CODEN: GEPHDP. ISSN: 0306-3623. Publisher: Elsevier Science Inc..

111011-63-3, Efonidipine
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (effects of the antihypertensive drug nifedipine on albuminuria and renal histopathol. in young spontaneously hypertensive rats with diabetes)

RN 111011-63-3 CAPLUS
 CN 3-Pyridinecarboxylic acid,
 5-(5,5-dimethyl-2-oxido-1,3,2-dioxaphosphorinan-2-yl)-1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-, 2-[phenyl(phenylmethyl)amino]ethyl ester (9CI) (CA INDEX NAME)



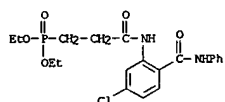
L6 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS
 1999:699116 Document No. 131:310730 Preparation of phosphonic acid diester

derivatives for the treatment of diabetes. Sakai, Yasuhiro; Miyata, Kazuyoshi; Kawamura, Kenichi; Tsuda, Yoshihiko; Inoue, Yasuhide (Ohtsuka Pharmaceutical Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 11302291 A2 19991102 Heisei, 19 pp. (Japanese). CODEN: JKKXAF. APPLICATION: JP 1998-115536 19980424. PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 11302291 A2 19991102 JP 1998-115536 19980424
 WO 9955713 A1 19991104 WO 1999-JP2114 19990421
 W: AU, CA, CN, KR, NO, US
 RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
 AU 9935339 A1 19991116 AU 1999-35339 19990421
 EP 1074556 A1 20010207 EP 1999-917075 19990421
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

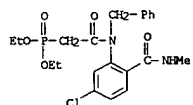
NO 2000005328 A 20001222 NO 2000-5328 20001023
 IT 198755-41-8P 247230-26-8P 247230-27-9P
 247230-28-0P 247230-36-0P 247230-37-1P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of phosphonic acid diester derivs. for treatment of diabetes)

RN 198755-41-8 CAPLUS
 CN Phosphonic acid,
 [3-[[5-chloro-2-[(phenylamino)carbonyl]phenyl]amino]-3-oxopropyl]-, diethyl ester (9CI) (CA INDEX NAME)

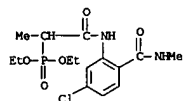


RN 247230-26-8 CAPLUS
 CN Phosphonic acid,
 [2-[[5-chloro-2-[(methylamino)carbonyl]phenyl]amino]-1-methyl-2-oxoethyl]-, diethyl ester (9CI) (CA INDEX NAME)

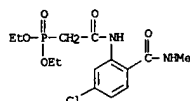
L6 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)
 CN Phosphonic acid,
 [2-[[5-chloro-2-[(methylamino)carbonyl]phenyl]amino]-1-methyl-2-oxoethyl]-, diethyl ester (9CI) (CA INDEX NAME)



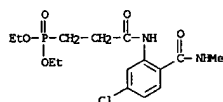
L6 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



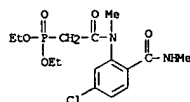
RN 247230-27-9 CAPLUS
 CN Phosphonic acid,
 [2-[[5-chloro-2-[(methylamino)carbonyl]phenyl]amino]-2-oxoethyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 247230-28-0 CAPLUS
 CN Phosphonic acid,
 [3-[[5-chloro-2-[(methylamino)carbonyl]phenyl]amino]-3-oxopropyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 247230-36-0 CAPLUS
 CN Phosphonic acid,
 [2-[[5-chloro-2-[(methylamino)carbonyl]phenyl]methylamino]-2-oxoethyl]-, diethyl ester (9CI) (CA INDEX NAME)

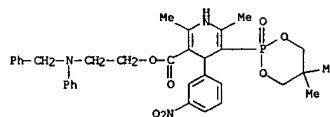


RN 247230-37-1 CAPLUS

L6 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS
 1999:579123 Document No. 131:189747 Compositions containing efonidipine hydrochloride for treatment of diabetic kidney disease. Tomino, Yasuhiko; Sho, Ichiyu (Nissan Chemical Industries, Ltd., Japan; Zeria Pharmaceutical Co., Ltd.). Jpn. Kokai Tokkyo Koho JP 11246417 A2 19990914 Heisei, 5 pp. (Japanese). CODEN: JKKXAF. APPLICATION: JP 1998-52267 19980304. PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 11246417 A2 19990914 JP 1998-52267 19980304
 IT 111011-53-1, Efonidipine hydrochloride
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (compos. contg. efonidipine hydrochloride for treatment of diabetic kidney disease)

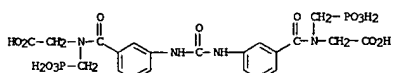
RN 111011-53-1 CAPLUS
 CN 3-Pyridinecarboxylic acid,
 5-(5,5-dimethyl-2-oxido-1,3,2-dioxaphosphorinan-2-yl)-1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-, 2-[phenyl(phenylmethyl)amino]ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L6 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS
 1999:96248 Document No. 130:148689 Phosphonated agents and their
 antiangiogenic and antitumorogenic use. Collins, Delwood C.;
 Gagliardi,
 Antonio R.; Mickel, Peter (University of Kentucky Research
 Foundation,
 USA). PCT Int. Appl. WO 9905148 A1 19990204, 74 pp. DESIGNATED
 STATES:
 W: AU, CA, JP, MX; RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR,
 IE,
 IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2. APPLICATION: WO
 1998-US15470 19980724. PRIORITY: US 1997-899996 19970724.
 PATENT NO. KIND DATE APPLICATION NO. DATE

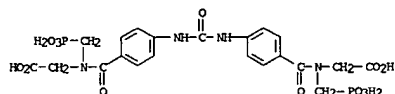
 PI WO 9905148 A1 19990204 WO 1998-US15470 19980724
 W: AU, CA, JP, MX
 RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
 NL,
 PT, SE
 AU 9885915 A1 19990216 AU 1998-85915 19980724
 AU 739637 B2 20011018
 EP 1019419 A1 20000719 EP 1998-937133 19980724
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT,
 IE, FI
 IT 220239-89-4 220239-90-7 220240-00-6
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (phosphonic acid agents and their antiangiogenic and
 antitumorogenic
 use)
 RN 220239-89-4 CAPLUS
 CN Glycine, N,N'-[carbonylbis(imino-3,1-phenylenecarbonyl)]bis[N-
 (phosphonomethyl)-, dilithium salt (9CI) (CA INDEX NAME)



●2 Li

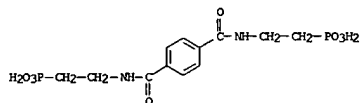
RN 220239-90-7 CAPLUS
 CN Glycine, N,N'-[carbonylbis(imino-4,1-phenylenecarbonyl)]bis[N-
 (phosphonomethyl)-, dilithium salt (9CI) (CA INDEX NAME)

L6 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



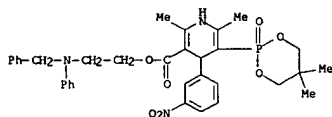
●2 Li

RN 220240-00-6 CAPLUS
 CN Phosphonic acid, [1,4-phenylenebis(carbonylimino-2,1-ethanediyl)]bis-,
 disodium salt (9CI) (CA INDEX NAME)



●2 Na

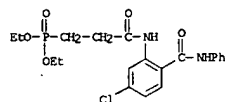
L6 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS
 1998:240852 Document No. 129:12490 Effects of the antihypertensive drug
 efonidipine hydrochloride on albuminuria and renal histopathology in
 young
 spontaneously hypertensive rats with diabetes. Takeda,
 Masahiro; Shou, Ichiyu; Tomino, Yasuhiko (Division Nephrology,
 Department
 Medicine, Juntendo University School Medicine, Tokyo, 113, Japan).
 Gen.
 Pharmacol., 30(5), 749-752 (English) 1998. CODEN: GEPHDP. ISSN:
 0306-3623. Publisher: Elsevier Science Inc..
 IT 111011-53-1, N2-105
 RL: BAC (Biological activity or effector, except adverse); THU
 (Therapeutic use); BIOL (Biological study); USES (Uses)
 (renal protective action of antihypertensive efonidipine in
 diabetic spontaneously hypertensive rats)
 RN 111011-53-1 CAPLUS
 CN 3-Pyridinecarboxylic acid,
 5-(5,5-dimethyl-2-oxido-1,3,2-dioxaphosphorinan-
 2-yl)-1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-, 2-
 (phenyl(phenylmethyl)amino)ethyl ester, monohydrochloride (9CI) (CA
 INDEX
 NAME)



●HCl

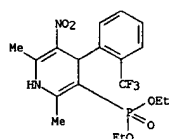
L6 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS
 1997:731473 Document No. 128:3804 Preparation of pyrimidin-2-
 ylmethylphosphonic acid diester derivatives and analogs lowering blood
 sugar for treatment of diabetes. Sakai, Yasuhiro; Kuroki,
 Yasuhisa; Miyata, Kazuyoshi; Tsuda, Yoshihiko; Shibuya, Naomasa;
 Kawamura,
 Kenichi; Inoue, Yasuhide; Sato, Keigo; Miki, Shinya (Otsuka
 Pharmaceutical
 Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 09286792 A2 19971104
 Heisei,
 10 pp. (Japanese). CODEN: JKOXAF. APPLICATION: JP 1997-33616
 19970218.
 PRIORITY: JP 1996-32010 19960220.
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI JP 09286792 A2 19971104 JP 1997-33616 19970218
 IT 198755-41-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of pyrimidinylmethylphosphonic acid diester derivs. and
 analogs
 lowering blood sugar for treatment of diabetes)
 RN 198755-41-8 CAPLUS
 CN Phosphonic acid,
 [3-[[5-chloro-2-[(phenylamino)carbonyl]phenyl]amino]-3-
 oxopropyl]-, diethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS
 1996:427957 Document No. 125:136470 Nitric oxide, a possible mediator of
 of 1,4-dihydropyridine-induced photorelaxation of vascular smooth
 muscle.
 Lovren, Fina; O'Neill, Sean K.; Bieger, Detlef; Iqbal, Nadeem;
 Knaus, Ed
 E.; Triggie, Chris R. (Fac. Med., Univ. Calgary, Calgary, AB, T2N
 4N1, Can.). Br. J. Pharmacol., 118(4), 879-884 (English) 1996. CODEN:
 BJPCBM.
 ISSN: 0007-1188.
 IT 179528-31-5, NI 104
 RL: BAC (Biological activity or effector, except adverse); BIOL
 (Biological study)
 (NI 104: nitric oxide, a possible mediator of 1,4-dihydropyridine-
 induced photorelaxation of vascular smooth muscle)
 RN 179528-31-5 CAPLUS
 CN Phosphonic acid, [1,4-dihydro-2,6-dimethyl-5-nitro-4-[2-
 (trifluoromethyl)phenyl]-3-pyridinyl]-, diethyl ester, (+)- (9CI)
 (CA INDEX NAME)

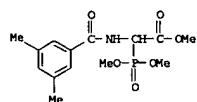
Rotation (+).



L6 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS
 1995:995520 Document No. 124:146859 Preparation of peptides as
 antagonists
 of endothelin receptors. Frueh, Thomas; Pitterna, Thomas; Murata,
 Toshiaki; Svensson, Lene D.; Yumoto, Yoko; Sakaki, Junichi (Japant
 Ltd., Switz.; Ciba Geigy Japan Ltd.). PCT Int. Appl. WO 9526360 A1
 19951005, 93
 pp. DESIGNATED STATES: W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE,
 FI,
 GE, HU, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ,
 PL,
 RO, RU, SG, SI, SK, TJ, TT, UA, US, UZ, VN; RW: AT, BE, BF, BJ, CF,
 CG,
 CH, CI, CM, DE, DK, ES, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE,
 NL,
 PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO
 1995-EP1013 19950317. PRIORITY: EP 1994-810191 19940328.
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI WO 9526360 A1 19951005 WO 1995-EP1013 19950317
 W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG,
 KP,
 KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU,
 SG,
 SI, SK, TJ, TT, UA, US, UZ, VN
 RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,
 IT,
 LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,
 NE,
 SN, TD, TG
 CA 2183767 AA 19951005 CA 1995-2183767 19950317
 AU 9521095 A1 19951017 AU 1995-21095 19950317
 AU 694495 B2 19980723
 EP 753004 A1 19970115 EP 1995-928870 19950317
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL,
 PT, SE
 CN 1145075 A 19970312 CN 1995-192388 19950317
 BR 9507220 A 19970809 BR 1995-7220 19950317
 JP 09510720 T2 19971028 JP 1995-524938 19950317
 ZA 9502461 A 19950928 ZA 1995-2461 19950327
 US 5703106 A 19971230 US 1996-718593 19960925
 IT 173189-68-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of peptides as antagonists of endothelin receptors for
 treating
 diseases)
 RN 173189-68-9 CAPLUS
 CN Acetic acid, (dimethoxyphosphinyl) [(3,5-dimethylbenzoyl)amino]-,
 methyl
 ester (9CI) (CA INDEX NAME)

L6 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS (Continued)



=> select rn 1- 14
E1 THROUGH E415 ASSIGNED

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	51.31	195.22

FILE 'REGISTRY' ENTERED AT 11:01:27 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5
DICTIONARY FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s e1-e250

1 100-36-7/BI
 (100-36-7/RN)
1 100-46-9/BI
 (100-46-9/RN)
1 101084-81-5/BI
 (101084-81-5/RN)
1 106-40-1/BI
 (106-40-1/RN)
1 106-47-8/BI
 (106-47-8/RN)
1 107-10-8/BI
 (107-10-8/RN)
1 1074-16-4/BI
 (1074-16-4/RN)
1 108-42-9/BI
 (108-42-9/RN)
1 108-69-0/BI
 (108-69-0/RN)
1 108-91-8/BI
 (108-91-8/RN)
1 110-00-9/BI
 (110-00-9/RN)
1 110-58-7/BI
 (110-58-7/RN)
1 110-76-9/BI

(110-76-9/RN)
1 110-91-8/BI
(110-91-8/RN)
1 111-26-2/BI
(111-26-2/RN)
1 117324-09-1/BI
(117324-09-1/RN)
1 117572-79-9/BI
(117572-79-9/RN)
1 122-80-5/BI
(122-80-5/RN)
1 123-30-8/BI
(123-30-8/RN)
1 125259-03-2/BI
(125259-03-2/RN)
1 127972-02-5/BI
(127972-02-5/RN)
1 13214-66-9/BI
(13214-66-9/RN)
1 139962-95-1/BI
(139962-95-1/RN)
1 141-43-5/BI
(141-43-5/RN)
1 14268-66-7/BI
(14268-66-7/RN)
1 153567-84-1/BI
(153567-84-1/RN)
1 156-87-6/BI
(156-87-6/RN)
1 15673-00-4/BI
(15673-00-4/RN)
1 170232-69-6/BI
(170232-69-6/RN)
1 175277-97-1/BI
(175277-97-1/RN)
1 1765-93-1/BI
(1765-93-1/RN)
1 1817-73-8/BI
(1817-73-8/RN)
1 18282-40-1/BI
(18282-40-1/RN)
1 1877-77-6/BI
(1877-77-6/RN)
1 188815-32-9/BI
(188815-32-9/RN)
1 19099-54-8/BI
(19099-54-8/RN)
1 19718-49-1/BI
(19718-49-1/RN)
1 19829-31-3/BI
(19829-31-3/RN)
1 2038-03-1/BI
(2038-03-1/RN)
1 2042-37-7/BI

(2042-37-7/RN)
1 20826-04-4/BI
(20826-04-4/RN)
1 2113-51-1/BI
(2113-51-1/RN)
1 2113-57-7/BI
(2113-57-7/RN)
1 213125-12-3/BI
(213125-12-3/RN)
1 21615-34-9/BI
(21615-34-9/RN)
1 21739-92-4/BI
(21739-92-4/RN)
1 22445-41-6/BI
(22445-41-6/RN)
1 24313-88-0/BI
(24313-88-0/RN)
1 261372-93-4/BI
(261372-93-4/RN)
1 2620-50-0/BI
(2620-50-0/RN)
1 270086-79-8/BI
(270086-79-8/RN)
1 271796-28-2/BI
(271796-28-2/RN)
1 271796-61-3/BI
(271796-61-3/RN)
1 271796-68-0/BI
(271796-68-0/RN)
1 273208-13-2/BI
(273208-13-2/RN)
1 273208-16-5/BI
(273208-16-5/RN)
1 27329-70-0/BI
(27329-70-0/RN)
1 2835-68-9/BI
(2835-68-9/RN)
1 2916-68-9/BI
(2916-68-9/RN)
1 29632-74-4/BI
(29632-74-4/RN)
1 29682-41-5/BI
(29682-41-5/RN)
1 30318-99-1/BI
(30318-99-1/RN)
1 3032-81-3/BI
(3032-81-3/RN)
1 304644-56-2/BI
(304644-56-2/RN)
1 3084-40-0/BI
(3084-40-0/RN)
1 309253-36-9/BI
(309253-36-9/RN)
1 3095-95-2/BI

(3095-95-2/RN)
1 31599-61-8/BI
(31599-61-8/RN)
1 320-72-9/BI
(320-72-9/RN)
1 32400-20-7/BI
(32400-20-7/RN)
1 3325-11-9/BI
(3325-11-9/RN)
1 33863-76-2/BI
(33863-76-2/RN)
1 3438-16-2/BI
(3438-16-2/RN)
1 347869-08-3/BI
(347869-08-3/RN)
1 347869-14-1/BI
(347869-14-1/RN)
1 347869-19-6/BI
(347869-19-6/RN)
1 349110-34-5/BI
(349110-34-5/RN)
1 3544-24-9/BI
(3544-24-9/RN)
1 358670-36-7/BI
(358670-36-7/RN)
1 358670-37-8/BI
(358670-37-8/RN)
1 358670-38-9/BI
(358670-38-9/RN)
1 358670-39-0/BI
(358670-39-0/RN)
1 358670-40-3/BI
(358670-40-3/RN)
1 358670-41-4/BI
(358670-41-4/RN)
1 358670-42-5/BI
(358670-42-5/RN)
1 358670-43-6/BI
(358670-43-6/RN)
1 358670-44-7/BI
(358670-44-7/RN)
1 358670-45-8/BI
(358670-45-8/RN)
1 358670-46-9/BI
(358670-46-9/RN)
1 358670-47-0/BI
(358670-47-0/RN)
1 358670-48-1/BI
(358670-48-1/RN)
1 358670-49-2/BI
(358670-49-2/RN)
1 358670-50-5/BI
(358670-50-5/RN)
1 358670-51-6/BI

(358670-51-6/RN)
1 358670-52-7/BI
(358670-52-7/RN)
1 358670-53-8/BI
(358670-53-8/RN)
1 358670-54-9/BI
(358670-54-9/RN)
1 358670-56-1/BI
(358670-56-1/RN)
1 358670-58-3/BI
(358670-58-3/RN)
1 358670-59-4/BI
(358670-59-4/RN)
1 358670-60-7/BI
(358670-60-7/RN)
1 358670-61-8/BI
(358670-61-8/RN)
1 358670-62-9/BI
(358670-62-9/RN)
1 358670-63-0/BI
(358670-63-0/RN)
1 358670-64-1/BI
(358670-64-1/RN)
1 358670-65-2/BI
(358670-65-2/RN)
1 358670-66-3/BI
(358670-66-3/RN)
1 358670-67-4/BI
(358670-67-4/RN)
1 358670-68-5/BI
(358670-68-5/RN)
1 358670-69-6/BI
(358670-69-6/RN)
1 358670-70-9/BI
(358670-70-9/RN)
1 358670-71-0/BI
(358670-71-0/RN)
1 358670-72-1/BI
(358670-72-1/RN)
1 358670-73-2/BI
(358670-73-2/RN)
1 358670-74-3/BI
(358670-74-3/RN)
1 358670-75-4/BI
(358670-75-4/RN)
1 358670-76-5/BI
(358670-76-5/RN)
1 358670-77-6/BI
(358670-77-6/RN)
1 358670-78-7/BI
(358670-78-7/RN)
1 358670-79-8/BI
(358670-79-8/RN)
1 358670-80-1/BI

(358670-80-1/RN)
1 358670-81-2/BI
(358670-81-2/RN)
1 358670-82-3/BI
(358670-82-3/RN)
1 358670-83-4/BI
(358670-83-4/RN)
1 358670-84-5/BI
(358670-84-5/RN)
1 358670-85-6/BI
(358670-85-6/RN)
1 358670-86-7/BI
(358670-86-7/RN)
1 358670-87-8/BI
(358670-87-8/RN)
1 358670-88-9/BI
(358670-88-9/RN)
1 358670-89-0/BI
(358670-89-0/RN)
1 358670-90-3/BI
(358670-90-3/RN)
1 358670-91-4/BI
(358670-91-4/RN)
1 358670-92-5/BI
(358670-92-5/RN)
1 358670-93-6/BI
(358670-93-6/RN)
1 358670-94-7/BI
(358670-94-7/RN)
1 358670-95-8/BI
(358670-95-8/RN)
1 358670-96-9/BI
(358670-96-9/RN)
1 358670-97-0/BI
(358670-97-0/RN)
1 358670-98-1/BI
(358670-98-1/RN)
1 358670-99-2/BI
(358670-99-2/RN)
1 358671-00-8/BI
(358671-00-8/RN)
1 358671-01-9/BI
(358671-01-9/RN)
1 358671-02-0/BI
(358671-02-0/RN)
1 358671-03-1/BI
(358671-03-1/RN)
1 358671-04-2/BI
(358671-04-2/RN)
1 358671-05-3/BI
(358671-05-3/RN)
1 358671-06-4/BI
(358671-06-4/RN)
1 358671-07-5/BI

(358671-07-5/RN)
1 358671-08-6/BI
(358671-08-6/RN)
1 358671-09-7/BI
(358671-09-7/RN)
1 358671-10-0/BI
(358671-10-0/RN)
1 358671-11-1/BI
(358671-11-1/RN)
1 358671-12-2/BI
(358671-12-2/RN)
1 358671-13-3/BI
(358671-13-3/RN)
1 358671-14-4/BI
(358671-14-4/RN)
1 358671-15-5/BI
(358671-15-5/RN)
1 358671-16-6/BI
(358671-16-6/RN)
1 358671-17-7/BI
(358671-17-7/RN)
1 358671-18-8/BI
(358671-18-8/RN)
1 358671-19-9/BI
(358671-19-9/RN)
1 358671-20-2/BI
(358671-20-2/RN)
1 358671-21-3/BI
(358671-21-3/RN)
1 358671-22-4/BI
(358671-22-4/RN)
1 358671-23-5/BI
(358671-23-5/RN)
1 358671-24-6/BI
(358671-24-6/RN)
1 358671-25-7/BI
(358671-25-7/RN)
1 358671-26-8/BI
(358671-26-8/RN)
1 358671-27-9/BI
(358671-27-9/RN)
1 358671-28-0/BI
(358671-28-0/RN)
1 358671-29-1/BI
(358671-29-1/RN)
1 358671-30-4/BI
(358671-30-4/RN)
1 358671-31-5/BI
(358671-31-5/RN)
1 358671-32-6/BI
(358671-32-6/RN)
1 358671-33-7/BI
(358671-33-7/RN)
1 358671-34-8/BI

(358671-34-8/RN)
1 358671-35-9/BI
(358671-35-9/RN)
1 358671-36-0/BI
(358671-36-0/RN)
1 358671-37-1/BI
(358671-37-1/RN)
1 358671-38-2/BI
(358671-38-2/RN)
1 358671-39-3/BI
(358671-39-3/RN)
1 358671-40-6/BI
(358671-40-6/RN)
1 358671-41-7/BI
(358671-41-7/RN)
1 358671-42-8/BI
(358671-42-8/RN)
1 358671-43-9/BI
(358671-43-9/RN)
1 358671-44-0/BI
(358671-44-0/RN)
1 358671-45-1/BI
(358671-45-1/RN)
1 358671-46-2/BI
(358671-46-2/RN)
1 358671-47-3/BI
(358671-47-3/RN)
1 358671-48-4/BI
(358671-48-4/RN)
1 358671-49-5/BI
(358671-49-5/RN)
1 358671-50-8/BI
(358671-50-8/RN)
1 358671-51-9/BI
(358671-51-9/RN)
1 358671-52-0/BI
(358671-52-0/RN)
1 358671-53-1/BI
(358671-53-1/RN)
1 358671-54-2/BI
(358671-54-2/RN)
1 358671-55-3/BI
(358671-55-3/RN)
1 358671-56-4/BI
(358671-56-4/RN)
1 358671-57-5/BI
(358671-57-5/RN)
1 358671-58-6/BI
(358671-58-6/RN)
1 358671-59-7/BI
(358671-59-7/RN)
1 358671-60-0/BI
(358671-60-0/RN)
1 358671-61-1/BI

(358671-61-1/RN)
1 358671-62-2/BI
(358671-62-2/RN)
1 358671-63-3/BI
(358671-63-3/RN)
1 358671-64-4/BI
(358671-64-4/RN)
1 358671-65-5/BI
(358671-65-5/RN)
1 358671-67-7/BI
(358671-67-7/RN)
1 358671-68-8/BI
(358671-68-8/RN)
1 358671-69-9/BI
(358671-69-9/RN)
1 358671-70-2/BI
(358671-70-2/RN)
1 358671-71-3/BI
(358671-71-3/RN)
1 358671-72-4/BI
(358671-72-4/RN)
1 358671-73-5/BI
(358671-73-5/RN)
1 358671-74-6/BI
(358671-74-6/RN)
1 358671-75-7/BI
(358671-75-7/RN)
1 358671-76-8/BI
(358671-76-8/RN)
1 358671-77-9/BI
(358671-77-9/RN)
1 358671-78-0/BI
(358671-78-0/RN)
1 358671-79-1/BI
(358671-79-1/RN)
1 358671-80-4/BI
(358671-80-4/RN)
1 358671-81-5/BI
(358671-81-5/RN)
1 358671-82-6/BI
(358671-82-6/RN)
1 358671-83-7/BI
(358671-83-7/RN)
1 358671-84-8/BI
(358671-84-8/RN)
1 358671-85-9/BI
(358671-85-9/RN)
1 358671-86-0/BI
(358671-86-0/RN)
1 358671-87-1/BI
(358671-87-1/RN)
1 358671-88-2/BI
(358671-88-2/RN)
1 358671-89-3/BI

(358671-89-3/RN)
 1 358671-90-6/BI
 (358671-90-6/RN)
 1 358671-91-7/BI
 (358671-91-7/RN)
 1 358671-92-8/BI
 (358671-92-8/RN)
 1 358671-93-9/BI
 (358671-93-9/RN)
 1 358671-94-0/BI
 (358671-94-0/RN)
 1 358671-95-1/BI
 (358671-95-1/RN)
 1 358671-96-2/BI
 (358671-96-2/RN)
 1 358671-97-3/BI
 (358671-97-3/RN)
 1 358671-98-4/BI
 (358671-98-4/RN)
 1 358671-99-5/BI
 (358671-99-5/RN)
 1 358672-00-1/BI
 (358672-00-1/RN)
 1 358672-01-2/BI
 (358672-01-2/RN)
 1 358672-02-3/BI
 (358672-02-3/RN)
 1 358672-03-4/BI
 (358672-03-4/RN)
 1 358672-04-5/BI
 (358672-04-5/RN)
 1 358672-05-6/BI
 (358672-05-6/RN)
 1 358672-06-7/BI
 (358672-06-7/RN)
 1 358672-07-8/BI
 (358672-07-8/RN)
 1 358672-08-9/BI
 (358672-08-9/RN)
 1 358672-09-0/BI
 (358672-09-0/RN)
 1 358672-10-3/BI
 (358672-10-3/RN)
 L7 250 (100-36-7/BI OR 100-46-9/BI OR 101084-81-5/BI OR 106-40-1/BI
 OR
 106-47-8/BI OR 107-10-8/BI OR 1074-16-4/BI OR 108-42-9/BI OR
 108-69-0/BI OR 108-91-8/BI OR 110-00-9/BI OR 110-58-7/BI OR
 110-76-9/BI OR 110-91-8/BI OR 111-26-2/BI OR 117324-09-1/BI OR
 117572-79-9/BI OR 122-80-5/BI OR 123-30-8/BI OR 125259-03-2/BI
 OR 127972-02-5/BI OR 13214-66-9/BI OR 139962-95-1/BI OR
 141-43-5
 15673-0
 /BI OR 14268-66-7/BI OR 153567-84-1/BI OR 156-87-6/BI OR
 0-4/BI OR 170232-69-6/BI OR 175277-97-1/BI OR 1765-93-1/BI OR

188815-32-9/BI 1817-73-8/BI OR 18282-40-1/BI OR 1877-77-6/BI OR
2038-03-1/ OR 19099-54-8/BI OR 19718-49-1/BI OR 19829-31-3/BI OR
2113-57-7 BI OR 2042-37-7/BI OR 20826-04-4/BI OR 2113-51-1/BI OR
22445 /BI OR 213125-12-3/BI OR 21615-34-9/BI OR 21739-92-4/BI OR
-41-6/BI OR 24313-88-0/BI OR 261372-93-4/BI OR 2620-50-0/BI OR
271796-68- 270086-79-8/BI OR 271796-28-2/BI OR 271796-61-3/BI OR
0/BI OR 273208-13-2/BI OR 273208-16-5/BI OR 27329-70-0/BI OR
2835-68-9/BI OR 2916-68-9/BI OR 29632-74-4/B

=> s e251-e415

1 358672-11-4/BI
(358672-11-4/RN)
1 358672-12-5/BI
(358672-12-5/RN)
1 358672-13-6/BI
(358672-13-6/RN)
1 358672-14-7/BI
(358672-14-7/RN)
1 358672-15-8/BI
(358672-15-8/RN)
1 358672-16-9/BI
(358672-16-9/RN)
1 358672-17-0/BI
(358672-17-0/RN)
1 358672-18-1/BI
(358672-18-1/RN)
1 358672-19-2/BI
(358672-19-2/RN)
1 358672-20-5/BI
(358672-20-5/RN)
1 358672-21-6/BI
(358672-21-6/RN)
1 358672-22-7/BI
(358672-22-7/RN)
1 358672-23-8/BI
(358672-23-8/RN)
1 358672-24-9/BI
(358672-24-9/RN)
1 358672-25-0/BI
(358672-25-0/RN)
1 358672-26-1/BI
(358672-26-1/RN)
1 358672-27-2/BI
(358672-27-2/RN)
1 358672-28-3/BI
(358672-28-3/RN)
1 358672-29-4/BI
(358672-29-4/RN)
1 358672-30-7/BI

(358672-30-7/RN)
1 358672-31-8/BI
(358672-31-8/RN)
1 358672-32-9/BI
(358672-32-9/RN)
1 358672-33-0/BI
(358672-33-0/RN)
1 358672-34-1/BI
(358672-34-1/RN)
1 358672-35-2/BI
(358672-35-2/RN)
1 358672-36-3/BI
(358672-36-3/RN)
1 358672-37-4/BI
(358672-37-4/RN)
1 358672-38-5/BI
(358672-38-5/RN)
1 358672-39-6/BI
(358672-39-6/RN)
1 358672-40-9/BI
(358672-40-9/RN)
1 358672-41-0/BI
(358672-41-0/RN)
1 358672-42-1/BI
(358672-42-1/RN)
1 358672-43-2/BI
(358672-43-2/RN)
1 358672-44-3/BI
(358672-44-3/RN)
1 358672-45-4/BI
(358672-45-4/RN)
1 358672-46-5/BI
(358672-46-5/RN)
1 358672-47-6/BI
(358672-47-6/RN)
1 358672-48-7/BI
(358672-48-7/RN)
1 358672-49-8/BI
(358672-49-8/RN)
1 358672-50-1/BI
(358672-50-1/RN)
1 358672-51-2/BI
(358672-51-2/RN)
1 358672-52-3/BI
(358672-52-3/RN)
1 358672-53-4/BI
(358672-53-4/RN)
1 358672-54-5/BI
(358672-54-5/RN)
1 358672-55-6/BI
(358672-55-6/RN)
1 358672-56-7/BI
(358672-56-7/RN)
1 358672-57-8/BI

(358672-57-8/RN)
1 358672-58-9/BI
(358672-58-9/RN)
1 358672-59-0/BI
(358672-59-0/RN)
1 358672-60-3/BI
(358672-60-3/RN)
1 358672-61-4/BI
(358672-61-4/RN)
1 358672-62-5/BI
(358672-62-5/RN)
1 358672-63-6/BI
(358672-63-6/RN)
1 358672-64-7/BI
(358672-64-7/RN)
1 358672-65-8/BI
(358672-65-8/RN)
1 358672-66-9/BI
(358672-66-9/RN)
1 358672-67-0/BI
(358672-67-0/RN)
1 358672-68-1/BI
(358672-68-1/RN)
1 358672-69-2/BI
(358672-69-2/RN)
1 358672-70-5/BI
(358672-70-5/RN)
1 358672-71-6/BI
(358672-71-6/RN)
1 358672-72-7/BI
(358672-72-7/RN)
1 358672-73-8/BI
(358672-73-8/RN)
1 358672-74-9/BI
(358672-74-9/RN)
1 358672-75-0/BI
(358672-75-0/RN)
1 358674-23-4/BI
(358674-23-4/RN)
1 36250-64-3/BI
(36250-64-3/RN)
1 371-40-4/BI
(371-40-4/RN)
1 3819-88-3/BI
(3819-88-3/RN)
1 38496-18-3/BI
(38496-18-3/RN)
1 3853-91-6/BI
(3853-91-6/RN)
1 3956-07-8/BI
(3956-07-8/RN)
1 40138-16-7/BI
(40138-16-7/RN)
1 41085-43-2/BI

(41085-43-2/RN)
1 4111-54-0/BI
(4111-54-0/RN)
1 4347-31-3/BI
(4347-31-3/RN)
1 456-22-4/BI
(456-22-4/RN)
1 4672-31-5/BI
(4672-31-5/RN)
1 4753-75-7/BI
(4753-75-7/RN)
1 4771-47-5/BI
(4771-47-5/RN)
1 4795-29-3/BI
(4795-29-3/RN)
1 488-93-7/BI
(488-93-7/RN)
1 50-99-7/BI
(50-99-7/RN)
1 50917-72-1/BI
(50917-72-1/RN)
1 5197-28-4/BI
(5197-28-4/RN)
1 52807-27-9/BI
(52807-27-9/RN)
1 533-58-4/BI
(533-58-4/RN)
1 5332-73-0/BI
(5332-73-0/RN)
1 5339-85-5/BI
(5339-85-5/RN)
1 5348-42-5/BI
(5348-42-5/RN)
1 53730-99-7/BI
(53730-99-7/RN)
1 540-37-4/BI
(540-37-4/RN)
1 54509-71-6/BI
(54509-71-6/RN)
1 57260-73-8/BI
(57260-73-8/RN)
1 57455-06-8/BI
(57455-06-8/RN)
1 57479-70-6/BI
(57479-70-6/RN)
1 57772-57-3/BI
(57772-57-3/RN)
1 578-66-5/BI
(578-66-5/RN)
1 580-17-6/BI
(580-17-6/RN)
1 583-55-1/BI
(583-55-1/RN)
1 585-70-6/BI

(585-70-6/RN)
1 585-76-2/BI
(585-76-2/RN)
1 586-76-5/BI
(586-76-5/RN)
1 589-87-7/BI
(589-87-7/RN)
1 591-18-4/BI
(591-18-4/RN)
1 598-41-4/BI
(598-41-4/RN)
1 609-73-4/BI
(609-73-4/RN)
1 616-30-8/BI
(616-30-8/RN)
1 617-89-0/BI
(617-89-0/RN)
1 618-51-9/BI
(618-51-9/RN)
1 618-58-6/BI
(618-58-6/RN)
1 619-58-9/BI
(619-58-9/RN)
1 62-53-3/BI
(62-53-3/RN)
1 622-50-4/BI
(622-50-4/RN)
1 623-00-7/BI
(623-00-7/RN)
1 626-01-7/BI
(626-01-7/RN)
1 626-02-8/BI
(626-02-8/RN)
1 626-43-7/BI
(626-43-7/RN)
1 6291-85-6/BI
(6291-85-6/RN)
1 636-98-6/BI
(636-98-6/RN)
1 64-04-0/BI
(64-04-0/RN)
1 672-57-1/BI
(672-57-1/RN)
1 68837-59-2/BI
(68837-59-2/RN)
1 6937-34-4/BI
(6937-34-4/RN)
1 6948-30-7/BI
(6948-30-7/RN)
1 6952-59-6/BI
(6952-59-6/RN)
1 696-40-2/BI
(696-40-2/RN)
1 6971-57-9/BI

(6971-57-9/RN)
1 709-49-9/BI
(709-49-9/RN)
1 71026-66-9/BI
(71026-66-9/RN)
1 7311-63-9/BI
(7311-63-9/RN)
1 7311-64-0/BI
(7311-64-0/RN)
1 75-64-9/BI
(75-64-9/RN)
1 7617-93-8/BI
(7617-93-8/RN)
1 765-30-0/BI
(765-30-0/RN)
1 7745-93-9/BI
(7745-93-9/RN)
1 78-81-9/BI
(78-81-9/RN)
1 78-96-6/BI
(78-96-6/RN)
1 80029-43-2/BI
(80029-43-2/RN)
1 87199-16-4/BI
(87199-16-4/RN)
1 873-38-1/BI
(873-38-1/RN)
1 875-51-4/BI
(875-51-4/RN)
1 88-67-5/BI
(88-67-5/RN)
1 9001-40-5/BI
(9001-40-5/RN)
1 9001-52-9/BI
(9001-52-9/RN)
1 9001-80-3/BI
(9001-80-3/RN)
1 9001-81-4/BI
(9001-81-4/RN)
1 90064-46-3/BI
(90064-46-3/RN)
1 9013-02-9/BI
(9013-02-9/RN)
1 9023-78-3/BI
(9023-78-3/RN)
1 9024-52-6/BI
(9024-52-6/RN)
1 9025-10-9/BI
(9025-10-9/RN)
1 9027-72-9/BI
(9027-72-9/RN)
1 9035-74-9/BI
(9035-74-9/RN)
1 9075-65-4/BI

(9075-65-4/RN)
 1 929-06-6/BI
 (929-06-6/RN)
 1 947-84-2/BI
 (947-84-2/RN)
 1 95-55-6/BI
 (95-55-6/RN)
 1 95-74-9/BI
 (95-74-9/RN)
 1 96-20-8/BI
 (96-20-8/RN)
 1 99-04-7/BI
 (99-04-7/RN)
 1 99-34-3/BI
 (99-34-3/RN)
 1 99-57-0/BI
 (99-57-0/RN)
 1 99-58-1/BI
 (99-58-1/RN)
 1 99-94-5/BI
 (99-94-5/RN)
 L8 165 (358672-11-4/BI OR 358672-12-5/BI OR 358672-13-6/BI OR
 358672-14
 -7/BI OR 358672-15-8/BI OR 358672-16-9/BI OR 358672-17-0/BI OR
 358672-18-1/BI OR 358672-19-2/BI OR 358672-20-5/BI OR
 358672-21-
 6/BI OR 358672-22-7/BI OR 358672-23-8/BI OR 358672-24-9/BI OR
 358672-25-0/BI OR 358672-26-1/BI OR 358672-27-2/BI OR
 358672-28-
 3/BI OR 358672-29-4/BI OR 358672-30-7/BI OR 358672-31-8/BI OR
 358672-32-9/BI OR 358672-33-0/BI OR 358672-34-1/BI OR
 358672-35-
 2/BI OR 358672-36-3/BI OR 358672-37-4/BI OR 358672-38-5/BI OR
 358672-39-6/BI OR 358672-40-9/BI OR 358672-41-0/BI OR
 358672-42-
 1/BI OR 358672-43-2/BI OR 358672-44-3/BI OR 358672-45-4/BI OR
 358672-46-5/BI OR 358672-47-6/BI OR 358672-48-7/BI OR
 358672-49-
 8/BI OR 358672-50-1/BI OR 358672-51-2/BI OR 358672-52-3/BI OR
 358672-53-4/BI OR 358672-54-5/BI OR 358672-55-6/BI OR
 358672-56-
 7/BI OR 358672-57-8/BI OR 358672-58-9/BI OR 358672-59-0/BI OR
 358672-60-3/BI OR 358672-61-4/BI OR 358672-62-5/BI OR
 358672-63-
 6/BI OR 358672-64-7/BI OR 358672-65-8/BI O

=> s (l7 or L8) AND L3
 SEARCH ENDED (SEARCH PROCESS BUSY)

=> s (l7 or L8) AND L3
 SEARCH ENDED (SEARCH PROCESS BUSY)

=>
 Uploading 09801933.str

L9 STRUCTURE UPLOADED

=> s 19

=> s 19

SAMPLE SEARCH INITIATED 11:27:06 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 10177 TO ITERATE

9.8% PROCESSED 1000 ITERATIONS 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 197503 TO 209577
PROJECTED ANSWERS: 279 TO 941

L10 3 SEA SSS SAM L9

=> s 19 sss full subset = 13
PREPARING SUBSET FOR SEARCH
PREPARING SUBSET FOR SEARCH
PREPARING SUBSET FOR SEARCH
PREPARING SUBSET FOR SEARCH
FULL SUBSET SEARCH INITIATED 11:29:00 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 5169 TO ITERATE

100.0% PROCESSED 5169 ITERATIONS 608 ANSWERS
SEARCH TIME: 00.00.02

L11 608 SEA SUB=L3 SSS FUL L9

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	50.53	245.75

FILE 'CAPLUS' ENTERED AT 11:29:10 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 May 2002 VOL 136 ISS 19
FILE LAST UPDATED: 7 May 2002 (20020507/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> s l11

L12 202 L11

=> s l12 not l4

L13 201 L12 NOT L4

=> s l13 and (FBP? or Diabet?)

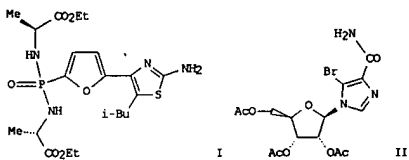
1260 FBP?

80984 DIABET?

L14 5 L13 AND (FBP? OR DIABET?)

=> d 1-5 cbib abs pi hitstr

L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
2002:51257 Document No. 136:123595 A combination of phosphonate or phosphorodiamidate **FBPase** inhibitors and antidiabetic agents useful for the treatment of diabetes. Van Poelje, Paul D.; Erion, Mark D.; Fujiwara, Toshihiko (Metabasis Therapeutics, Inc., USA; Sankyo Company, Limited). PCT Int. Appl. WO 2002003978 A2 20020117, 392 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXX02.
APPLICATION: WO 2001-0521557 20010705. PRIORITY: US 2000-FV216531 20000706.
GI

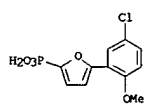
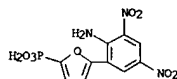
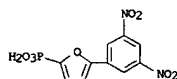


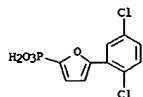
AB A combination therapy of at least one **FBPase** inhibitor ((R1Y)2P(O)M and R14C(O) (CR12R13) nN(R18)P(O) (NR15R16)M; e.g. 2-amino-5-propylthio-4-(5-phosphono-2-furanyl)thiazole monohydrobromide and 2-amino-5-isobutyl-4-[2-(N,N'-bis[5-(1-(ethoxycarbonyl)ethyl)phosphonodiamido]-5-furanyl)thiazole (shown as I)] and at least one other antidiabetic agent (insulin secretagogue; e.g. glyburide, a sulfonylurea) is disclosed. (R1Y)2P(O)M and R14C(O) (CR12R13) nN(R18)P(O) (NR15R16)M are converted in vivo or in vitro to MPO32-, which inhibit **FBPase**; the substituents are defined in the claims. General methods and about 15 specific example prepn. of the phosphorus compds. are included but no

L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
methods of prepn. are claimed. In the biol. examples, data is presented for the following for selected phosphorus compds. and other materials: inhibition of human liver **FBPase**, inhibition of rat liver and mouse liver **FBPase**, inhibition of gluconeogenesis by an **FBPase** inhibitor in rat hepatocytes, inhibition of glucose prodn. and elevation of fructose-1,6-bisphosphate levels in rat hepatocytes treated with **FBPase** inhibitors, anal. of hepatic and plasma drug metabolite levels, blood glucose, and hepatic fructose 1,6-bisphosphate levels after administration of compd. A (shown as II) p.o. to normal fasted rats, anal. of hepatic and plasma drug levels after administration of compds. i.p. to normal fasted rats, oral bioavailability detn. of two compds. and oral glucose lowering activity of two compds. For insulin secretagogues: insulin release from pancreatic islets, glucose lowering in the fasted rat, i.v. glucose tolerance in the fasted rat, oral glucose tolerance in the Zucker diabetic fatty rat, insulin secretion in the rat, inhibition of KATP-channels in mouse pancreatic beta-cells., and sulfonylurea receptor binding. Also included are: inhibition of dipeptidyl peptidase IV (DPP-IV inhibitors), alpha-glucosidase assay, glycogen phosphorylase assay, assay of glucose 6-phosphatase inhibitors, glucagon antagonist assay, amylin agonist assay, fatty acid oxidn. inhibitor assay, glucose lowering in the db/db mouse (**FBPase** inhibitor), glucose lowering in the ZDF rat, acute combination treatment of an insulin secretagogue and an **FBPase** inhibitor in the ZDF rat, chronic combination treatment of an insulin secretagogue and an **FBPase** inhibitor in the ZDF rat, acute combination treatment of insulin and an **FBPase** inhibitor in db/db mice, beneficial effect of chronic combination treatment of insulin and an **FBPase** inhibitor in db/db mice, and beneficial effect of chronic combination treatment of insulin and an **FBPase** inhibitor in db/db Mice. Also included are: acute combination treatment of insulin and an **FBPase** inhibitor in the Goto-Kakizaki rat, acute combination treatment of a biguanide and an **FBPase** inhibitor in db/db mice, acute combination treatment of an alpha glucosidase inhibitor and an **FBPase** inhibitor in Goto-Kakizaki rats, acute combination treatment of a glycogen phosphorylase inhibitor and an **FBPase** inhibitor in db/db or ob/ob mice, acute combination treatment of a glucose-6-phosphatase inhibitor and an **FBPase** inhibitor in db/db or ob/ob mice, acute combination treatment of an **FBPase** inhibitor and an amylin agonist, chronic combination treatment of a fatty acid oxidn. inhibitor and an **FBPase** inhibitor in the streptozotocin-induced diabetic rat.
PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2002003978 A2 20020117 WO 2001-0521557 20010705
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

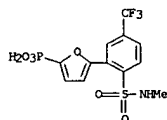
L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
IT 358670-36-7P, (5-(3,5-Dinitrophenyl)-2-furanyl)phosphonic acid
358670-37-8P, (5-(2-Amino-3,5-dinitrophenyl)-2-furanyl)phosphonic acid
358670-38-9P, (5-(5-Chloro-2-methoxyphenyl)-2-furanyl)phosphonic acid
358670-39-0P, (5-(2,5-Dichlorophenyl)-2-furanyl)phosphonic acid
358670-40-3P, (5-(2-Methylsulfonyl-5-(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid
358670-41-4P, (5-(5-Chloro-2-(methylsulfonyl)phenyl)-2-furanyl)phosphonic acid
358670-45-8P, (5-(3,5-Dimethylphenyl)-2-furanyl)phosphonic acid
358670-48-1P, (5-(4-Chloro-2,5-dimethoxyphenyl)-2-furanyl)phosphonic acid
358670-53-8P, (5-Pentamethylphenyl)-2-furanyl)phosphonic acid
358670-54-9P, (5-(2,3-Dicarboethoxyphenyl)-2-furanyl)phosphonic acid
358670-56-1P, (5-(4-Acetyl-3-methylphenyl)-2-furanyl)phosphonic acid
358670-58-3P, (5-(2,4-Dichloro-6-methylphenyl)-2-furanyl)phosphonic acid
358670-59-4P, (5-(4-Hydroxy-2-carbomethoxyphenyl)-2-furanyl)phosphonic acid
358670-60-7P, (5-(2-Carbamoyl-4-methylphenyl)-2-furanyl)phosphonic acid
358670-61-8P, (5-(2-Ethoxycarbonyl-4-hydroxyphenyl)-2-furanyl)phosphonic acid
358670-64-1P, (5-(3,5-Dichlorophenyl)-2-furanyl)phosphonic acid
358670-66-3P, (5-(5-Bromo-3-carboxyphenyl)-2-furanyl)phosphonic acid
358670-67-4P, (5-(5-Formyl-2,3-dimethoxyphenyl)-2-furanyl)phosphonic acid
358670-73-2P, (5-(5-Cyano-2-methoxyphenyl)-2-furanyl)phosphonic acid
358670-75-4P, (5-(6-Methyl-2-nitrophenyl)-2-furanyl)phosphonic acid
358670-77-5P, (5-(2,3,4,5-Tetramethylphenyl)-2-furanyl)phosphonic acid
358670-79-8P, (5-(5-Chloro-2-sulfonylphenyl)-2-furanyl)phosphonic acid
358670-81-2P, (5-(3,4-Dimethylphenyl)-2-furanyl)phosphonic acid
358670-82-3P, (5-(2,4-Dinitrophenyl)-2-furanyl)phosphonic acid
358670-84-5P, (5-(4-Amino-3-fluorophenyl)-2-furanyl)phosphonic acid
358670-92-5P, (5-(4-Amino-3-nitrophenyl)-2-furanyl)phosphonic acid
358670-95-8P, (5-(2-Amino-5-chlorophenyl)-2-furanyl)phosphonic acid
358670-96-9P, (5-(3-Chloro-5-fluorophenyl)-2-furanyl)phosphonic acid
358670-97-0P, (5-(2-Methyl-5-nitrophenyl)-2-furanyl)phosphonic acid
358670-98-1P, (5-(5-Fluoro-3-nitrophenyl)-2-furanyl)phosphonic acid
358670-99-2P, (5-(2-Amino-5-carbomethoxyphenyl)-2-furanyl)phosphonic acid
358671-00-8P, (5-(2-Methoxy-5-nitrophenyl)-2-furanyl)phosphonic acid
358671-01-9P, (5-(2-Chloro-5-(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid
358671-02-0P, (5-(2,5-Bis(trifluoromethyl)phenyl)-2-furanyl)phosphonic acid
358671-04-2P, (5-(2,4-Dichlorophenyl)-2-furanyl)phosphonic acid
358671-05-3P, (5-(3-Amino-5-carbomethoxyphenyl)-2-furanyl)phosphonic acid

L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
358671-06-4P, (5-(3-Amino-4-bromophenyl)-2-furanyl)phosphonic acid
RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(combination of phosphonate or phosphorodiamidate **FBPase** inhibitors and antidiabetic agents useful for treatment of diabetes)
RN 358670-36-7 CAPLUS
CN Phosphonic acid, [5-(3,5-dinitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)
RN 358670-37-8 CAPLUS
CN Phosphonic acid, [5-(2-amino-3,5-dinitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)
RN 358670-38-9 CAPLUS
CN Phosphonic acid, [5-(5-chloro-2-methoxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)
RN 358670-39-0 CAPLUS
CN Phosphonic acid, [5-(2,5-dichlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

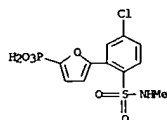




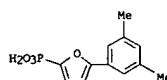
RN 358670-40-3 CAPLUS
CN Phosphonic acid,
[5-[2-[(methylamino)sulfonyl]-5-(trifluoromethyl)phenyl]-
2-furanyl]- (9CI) (CA INDEX NAME)



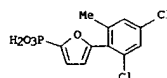
RN 358670-41-4 CAPLUS
CN Phosphonic acid,
[5-[5-chloro-2-[(methylamino)sulfonyl]phenyl]-2-furanyl]-
(9CI) (CA INDEX NAME)



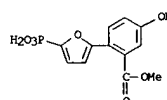
RN 358670-45-8 CAPLUS
CN Phosphonic acid, [5-(3,5-dimethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



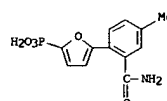
RN 358670-48-1 CAPLUS
CN Phosphonic acid, [5-(4-chloro-2,5-dimethoxyphenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)



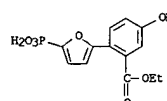
RN 358670-59-4 CAPLUS
CN Benzoic acid, 5-hydroxy-2-(5-phosphono-2-furanyl)-, 1-methyl ester
(9CI) (CA INDEX NAME)



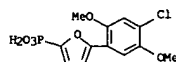
RN 358670-60-7 CAPLUS
CN Phosphonic acid, [5-[2-(aminocarbonyl)-4-methylphenyl]-2-furanyl]-
(9CI) (CA INDEX NAME)



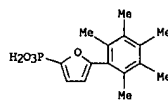
RN 358670-61-8 CAPLUS
CN Benzoic acid, 5-hydroxy-2-(5-phosphono-2-furanyl)-, 1-ethyl ester
(9CI) (CA INDEX NAME)



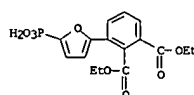
RN 358670-64-1 CAPLUS
CN Phosphonic acid, [5-(3,5-dichlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



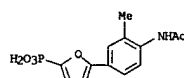
RN 358670-53-8 CAPLUS
CN Phosphonic acid, [5-(pentamethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



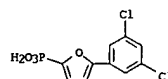
RN 358670-54-9 CAPLUS
CN 1,2-Benzenedicarboxylic acid, 3-(5-phosphono-2-furanyl)-, 1,2-diethyl ester (9CI) (CA INDEX NAME)



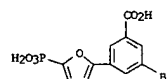
RN 358670-56-1 CAPLUS
CN Phosphonic acid, [5-[4-(acetylamino)-3-methylphenyl]-2-furanyl]- (9CI)
(CA INDEX NAME)



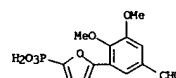
RN 358670-58-3 CAPLUS
CN Phosphonic acid, [5-(2,4-dichloro-6-methylphenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)



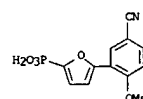
RN 358670-66-3 CAPLUS
CN Benzoic acid, 3-bromo-5-(5-phosphono-2-furanyl)- (9CI) (CA INDEX NAME)



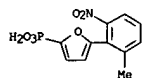
RN 358670-67-4 CAPLUS
CN Phosphonic acid, [5-(5-formyl-2,3-dimethoxyphenyl)-2-furanyl]- (9CI)
(CA INDEX NAME)



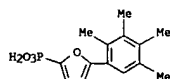
RN 358670-73-2 CAPLUS
CN Phosphonic acid, [5-(5-cyano-2-methoxyphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



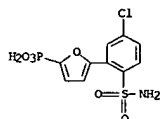
RN 358670-75-4 CAPLUS
CN Phosphonic acid, [5-(2-methyl-6-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



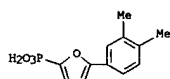
RN 358670-77-6 CAPLUS
CN Phosphonic acid, [5-(2,3,4,5-tetramethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



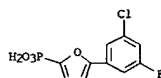
RN 358670-79-8 CAPLUS
CN Phosphonic acid, [5-(2-(aminosulfonyl)-5-chlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



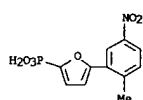
RN 358670-81-2 CAPLUS
CN Phosphonic acid, [5-(3,4-dimethylphenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



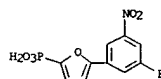
RN 358670-82-3 CAPLUS
CN Phosphonic acid, [5-(2,4-dinitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



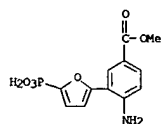
RN 358670-97-0 CAPLUS
CN Phosphonic acid, [5-(2-methyl-5-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



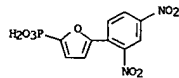
RN 358670-98-1 CAPLUS
CN Phosphonic acid, [5-(3-fluoro-5-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



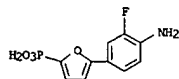
RN 358670-99-2 CAPLUS
CN Benzoic acid, 4-amino-3-(5-phosphono-2-furanyl)-, 1-methyl ester (9CI) (CA INDEX NAME)



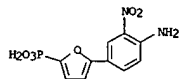
RN 358671-00-8 CAPLUS
CN Phosphonic acid, [5-(2-methoxy-5-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



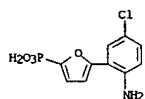
RN 358670-84-5 CAPLUS
CN Phosphonic acid, [5-(4-amino-3-fluorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



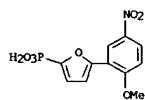
RN 358670-92-5 CAPLUS
CN Phosphonic acid, [5-(4-amino-3-nitrophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



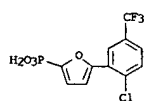
RN 358670-95-8 CAPLUS
CN Phosphonic acid, [5-(2-amino-5-chlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



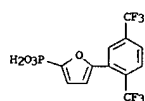
RN 358670-96-9 CAPLUS
CN Phosphonic acid, [5-(3-chloro-5-fluorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



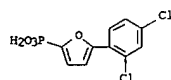
RN 358671-01-9 CAPLUS
CN Phosphonic acid, [5-(2-chloro-5-(trifluoromethyl)phenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



RN 358671-02-0 CAPLUS
CN Phosphonic acid, [5-(2,5-bis(trifluoromethyl)phenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

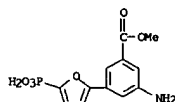


RN 358671-04-2 CAPLUS
CN Phosphonic acid, [5-(2,4-dichlorophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)

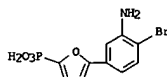


RN 358671-05-3 CAPLUS
CN Benzoic acid, 3-amino-5-(5-phosphono-2-furanyl)-, 1-methyl ester (9CI) (CA INDEX NAME)

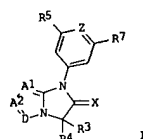
L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 358671-06-4 CAPLUS
CN Phosphonic acid, [5-(3-amino-4-bromophenyl)-2-furanyl]- (9CI) (CA INDEX NAME)



L14 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
2001:78387 Document No. 134:131538 Preparation of imidazoimidazoles and triazoles as anti-inflammatory agents. Wu, Jiang-Ping; Kelly, Terence Alfred; Lemieux, Rene M.; Goldberg, Daniel R.; Emeigh, Jonathan
Email: Sorcek, Ronald J. (Boehringer Ingelheim Pharmaceuticals, Inc., USA).
PCT Int. Appl. WO 2001007440 A1 20010201, 368 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English).
CODEN: PIXXD2. APPLICATION: WO 2000-US18884 20000712. PRIORITY: US 1999-PV144905 19990721; US 1999-PV150939 19990826.
GI

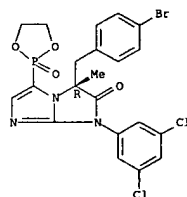


AB Comps. I (A1 = N, CH; A2 = N, CH, CR'; R' = halo, cyano, alkoxy, alkoxycarbonyl, alkylsulfonyl; D = N, CH, CR1, C(SO2R1), C(S(O)R1), C(CHO), C(SR1a), C(OR1a), C(NHR1a); R1, R1a = (substituted) alkyl, cycloalkyl, aryl, or heteroaryl groups, alkyl groups contg. 2-6 carbons substituted with carboxylate, phosphonate, sulfonate, amidine, or guanidine moieties, amino, halogen; R3 = H, alkyl, cycloalkyl, alkoxy or amino substituted alkyl, cycloalkyl; R4 = substituted arylmethyl; R5 = Cl, F3C; R7 = H, halo, Me, cyano, O2N, F3C; X = O, S; if Z = N or CH, R7 = Cl, F3C, cyano, O2N; Z = N, CR6 where R6 = H, halo, Me, cyano, F3C), based mostly on imidazo[1,2-a]imidazole and imidazo[1,2-a]triazole nuclei, are prepd. as inhibitors of the binding of

L14 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
leukointegrins to cell adhesion mols. in the treatment or prevention of inflammatory and immune cell-mediated diseases. E.g., (R)-I (A1 = N; A2 = D = CH; R3 = Me; R4 = 4-BrC6H4CH2; R5 = R7 = Cl; X = O; Z = CH) (II) was prepd. from (R)-.alpha.-methyl-4-bromophenylalanine Me ester and 3,5-dichlorophenylisothiocyanate by heating in 1,4-dioxane to give a thiohydrantoin which was treated with N-(triphenylphosphoranylidene)-1,3-dioxolan-2-ylmethylamine [prepd. from 2-(azidomethyl)-1,3-dioxolane and triphenylphosphine] to give a dioxolanymethyliminoimidazolidinone deriv.; treatment of the intermediate with trifluoroacetic acid and heating at 90.degree. overnight gave II with m.p. 36-37.5.degree.. I inhibited binding of leukointegrins to cell adhesion mols. with Kd<10 .mu.M.
PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2001007440 A1 20010201 WO 2000-US18884 20000712
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG
BR 2000012666 A 20020409 BR 2000-12666 20000712
NO 2002000275 A 20020204 NO 2002-275 20020118
IT 321720-02-9 321721-52-2 20020204
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of imidazoimidazole and imidazotriazole derivs. as inhibitors of leukointegrin binding to cell adhesion mols. in the treatment of inflammatory and immune-cell mediated diseases)
RN 321720-02-9 CAPLUS
CN 1H-Imidazo[1,2-a]imidazol-2(3H)-one, 3-[(4-bromophenyl)methyl]-1-[(3,5-dichlorophenyl)-3-methyl-5-(2-oxido-1,3,2-dioxaphospholan-2-yl)]-, (3R)- (9CI) (CA INDEX NAME)

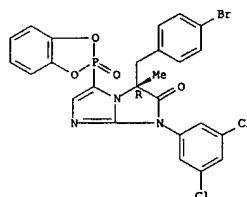
L14 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)

Absolute stereochemistry.



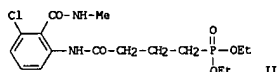
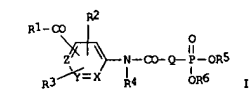
RN 321721-52-2 CAPLUS
CN 1H-Imidazo[1,2-a]imidazol-2(3H)-one, 3-[(4-bromophenyl)methyl]-1-[(3,5-dichlorophenyl)-3-methyl-5-(2-oxido-1,3,2-dioxaphospholan-2-yl)]-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L14 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS
 1999:699116 Document No. 131:310730 Preparation of phosphonic acid diester derivatives for the treatment of diabetes. Sakai, Yasuhiro; Miyata, Kazuyoshi; Kawamura, Kenichi; Tsuda, Yoshihiko; Inoue, Yasuhide (Ohtsuka Pharmaceutical Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 11302291 A2 19991102 Heisei, 19 pp. (Japanese). CODEN: JQXXAF. APPLICATION: JP 1998-115536 19980424.

GI



AB The title compds. I [R1 = amino, etc.; R2, R3 = H, alkyl, halo, etc.; R4 = H, alkyl, etc.; R5, R6 = alkyl; X = Y = Z = C; or one of X, Y, Z is N, the others are C; Q = single bond, alkylene] are prepd. The title compd. II

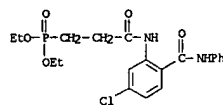
at 100 mg/kg orally caused 20% decrease in blood glucose in rats. Formulations contg. I are given.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11302291	A2	19991102	JP 1998-115536	19980424
WO 9955713	A1	19991104	WO 1999-JP2114	19990421
W: AU, CA, CN, KR, NO, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9935339	A1	19991116	AU 1999-35339	19990421
EP 1074556	A1	20010207	EP 1999-917075	19990421
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
NO 200005328	A	20001222	NO 2000-5328	20001023
198755-41-8P	247230-26-8P	247230-27-9P		
247230-28-0P	247230-36-0P	247230-37-1P		

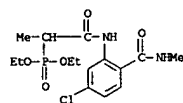
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

L14 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
 (prepn. of phosphonic acid diester derivs. for treatment of diabetes)

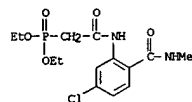
RN 198755-41-8 CAPLUS
 CN Phosphonic acid,
 [3-[[5-chloro-2-[(phenylamino)carbonyl]phenyl]amino]-3-oxopropyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 247230-26-8 CAPLUS
 CN Phosphonic acid,
 [2-[[5-chloro-2-[(methylamino)carbonyl]phenyl]amino]-1-methyl-2-oxoethyl]-, diethyl ester (9CI) (CA INDEX NAME)

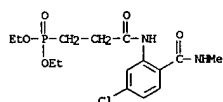


RN 247230-27-9 CAPLUS
 CN Phosphonic acid,
 [2-[[5-chloro-2-[(methylamino)carbonyl]phenyl]amino]-2-oxoethyl]-, diethyl ester (9CI) (CA INDEX NAME)

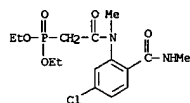


RN 247230-28-0 CAPLUS
 CN Phosphonic acid,
 [3-[[5-chloro-2-[(methylamino)carbonyl]phenyl]amino]-3-oxopropyl]-, diethyl ester (9CI) (CA INDEX NAME)

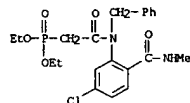
L14 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 247230-36-0 CAPLUS
 CN Phosphonic acid,
 [2-[[5-chloro-2-[(methylamino)carbonyl]phenyl]methylamino]-2-oxoethyl]-, diethyl ester (9CI) (CA INDEX NAME)

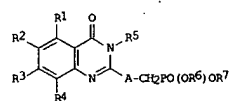


RN 247230-37-1 CAPLUS
 CN Phosphonic acid,
 [2-[[5-chloro-2-[(methylamino)carbonyl]phenyl]phenylmethylamino]-2-oxoethyl]-, diethyl ester (9CI) (CA INDEX NAME)



L14 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS
 1997:731473 Document No. 128:3804 Preparation of pyrimidin-2-ylmethylphosphonic acid diester derivatives and analogs lowering blood sugar for treatment of diabetes. Sakai, Yasuhiro; Kuroki, Yasuhisa; Miyata, Kazuyoshi; Tsuda, Yoshihiko; Shibuya, Naomasa; Kawamura, Kenichi; Inoue, Yasuhide; Sato, Keigo; Miki, Shinya (Otsuka Pharmaceutical Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 09286792 A2 19971104 Heisei, 10 pp. (Japanese). CODEN: JQXXAF. APPLICATION: JP 1997-33616 19970218. PRIORITY: JP 1996-32010 19960220.

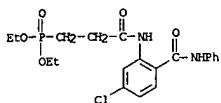
GI



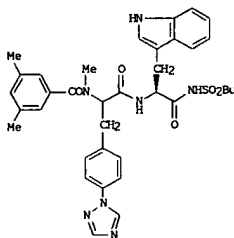
AB The title compds. [I: R1 - R4 = H, halo, lower alkyl or alkoxy, NH2, N,N-bis(lower alkylsulfonyl)amino, NO2; R5 = lower alkyl or alkenyl, Ph, phenyl-lower alkyl where the benzene ring possesses 1-3 lower alkyl groups; R6, R7 = lower alkyl; A = thiophene, pyrazine, lower alkylene, single bond] are prepd. An antidiabetic agent contg. above compd. I is claimed. Thus, 3-(diethoxyphosphoryl)propionic acid was refluxed with SOCl2 and DMF for 2 h followed by ice-cooling the reaction mixt. and then adding a mixt. of 2-amino-4-chloro-N-phenylbenzamide and pyridine in CH2Cl2, and the resulting mixt. was stirred at room temp. for 1 h to give di-Et 2-[N-[5-chloro-2-(N-phenylcarbamoyl)phenyl]carbamoyl]ethylphosphonate. The latter intermediate was refluxed with Me3SiCl and Et3N in CH2Cl2 for 10 h and poured into ice-water to give I (R1 = R2 = R4 = H, R3 = Cl, R5 = Ph, R6 = R7 = Et, A = CH2). I (R1 = R3 = R4 = H, R2 = Cl, R5 = Me, R6 = R7 = Et, A = CH2CH2) (most active compd.) at 100 mg/kg in vivo lowered serum glucose level by 83% in rats pre-administered with dexamethazone at 0.5 mg/kg per day for 4 days i.p. A tablet and a capsule formulation contg. I were prepd.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09286792	A2	19971104	JP 1997-33616	19970218

L14 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
 IT 198755-41-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of pyrimidinylmethylphosphonic acid diester derivs. and
 analogs lowering blood sugar for treatment of diabetes)
 RN 198755-41-8 CAPLUS
 CN Phosphonic acid,
 [3-[[5-chloro-2-((phenylamino)carbonyl)phenyl]amino]-3-oxopropyl]-, diethyl ester (9CI) (CA INDEX NAME)



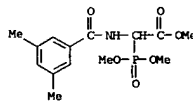
L14 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
 1995:995520 Document No. 124:146859 Preparation of peptides as
 antagonists of endothelin receptors. Frueh, Thomas; Pitterna, Thomas; Murata,
 Toshiki; Svensson, Lene D.; Yumoto, Yoko; Sakaki, Junichi (Japant
 Ltd., Switz.; Ciba Geigy Japan Ltd.). PCT Int. Appl. WO 9526360 A1
 19951005, 93
 pp. DESIGNATED STATES: W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE,
 FI, GE, HU, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ,
 PL, RO, RU, SG, SI, SK, TJ, TT, UA, US, UZ, VN; RW: AT, BE, BF, BJ, CF,
 CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE,
 NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO
 1995-EP1013 19950317. PRIORITY: EP 1994-810191 19940328.
 GI



AB Peptides represented by formula R1CONR2CH(CR7R8-Ar-R3)C(X)-Y-
 CH[(CH2)mR4]CONR5-Y1-R6 [Ar = a direct bond, arylene; m = 0-3; R1 =
 alkyl, cycloalkylalkyl, aralkyl, cycloalkyl, aryl, arylcycloalkyl, alkoxy,
 aryloxy; R2 = H, alkyl, aralkyl, cycloalkyl, cycloalkylalkyl; R3 = H,
 OH, NH2, NO2, alkyl, cycloalkyl, or aralkyl, provided that Ar = a direct
 bond or aryl; R7 = H, alkyl, cycloalkyl, aralkyl, aryl; or R3R7 = a ring
 structure, provided that Ar = a direct bond; R8 = H, alkyl, aryl; or
 R2R8 = (CH2)o-Ar1 or Ar1-(CH2)o, wherein o = 0-2, Ar1 = arylene, C(X) =
 CO, CS, C(NH), C(N-alkyl), C(NHOH), or CH2; Y = a direct bond, NH,

L14 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
 alkylimino, O, or CH2; or C(X) = CHOH and Y = a direct or CH2; R4 =
 (un)substituted alkyl, alkenyl, cycloalkyl, aralkyl, arylalkenyl,
 aryl; R5 = alkyl, haloalkyl, hydroxyalkyl, acyloxyalkyl, alkoxyalkyl,
 aryloxyalkyl, (un)substituted aralkyl, alkenyl, or arylalkenyl; or R5R6 = (CH2)p,
 (CH2)q, Ar1, Ar1-(CH2)q; wherein p = 3-5; q = 0-2; Ar1 = arylene; Y1 = SO2,
 O, NH,
 NHCO, NHCO2, NHSO2 are prepd. These peptides are useful for the
 treatment of cerebral and coronary vasospasm or ischemia,
 subarachnoidal hemorrhage, various types of hypertension, pulmonary hypertension,
 cardiac failure, Raynaud-syndrome, diabetes, benign prostatic
 hyperplasia, atherosclerosis or restenosis due to denudation
 following angioplasty, asthma, renal failure, dialysis, glomerular injury,
 migraine, ocular diseases, glaucoma, endotoxin shock, or disseminated
 intravascular coagulation. Thus, to stirred soln. of
 N-(3,5-dimethylbenzoyl)-N-methyl-4-[4-(1,2,4-triazol-1-yl)phenyl]-DL-alanine (prepn. given) in DMF were
 added N-(butanesulfonyl)tryptophanamide hydrochloride and 1-
 hydroxybenzotriazole, followed by cooling the resulting mixt. to
 0.degree. and adding 1-(3-dimethylaminopropyl)-3-carbodiimide, and the
 resulting mixt. was allowed to react at 0.degree. for 2 h, slowly warmed to
 room temp., and stirred overnight to give the title compd. (I). I
 inhibited the binding of [125I]endothelin-3 to endothelin B receptor and that of
 [125I]endothelin-1 to endothelin A in the presence of nonlabeled
 endothelin-3 with the binding affinity const. Ki of 0.16 and 3.5,
 resp.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 PI WO 9526360 A1 19951005 WO 1995-EP1013 19950317
 W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG,
 KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU,
 SG, SI, SK, TJ, TT, UA, US, UZ, VN
 RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,
 IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,
 NE, SN, TD, TG
 CA 2183767 AA 19951005 CA 1995-2183767 19950317
 AU 9521095 A1 19951017 AU 1995-21095 19950317
 AU 694495 B2 19980723
 EP 753004 A1 19970115 EP 1995-928870 19950317
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL,
 PT, SE

L14 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)
 CN 1145075 A 19970312 CN 1995-192388 19950317
 BR 9507220 A 19970909 BR 1995-7220 19950317
 JP 09510720 T2 19971028 JP 1995-524938 19950317
 ZA 9502461 A 19950928 ZA 1995-2461 19950327
 US 5703106 A 19971230 US 1996-718593 19960925
 IT 173189-68-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of peptides as antagonists of endothelin receptors for
 treating diseases)
 RN 173189-68-9 CAPLUS
 CN Acetic acid, (dimethoxyphosphinyl)[(3,5-dimethylbenzoyl)amino]-,
 methyl ester (9CI) (CA INDEX NAME)



=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
29.16	274.91

FULL ESTIMATED COST

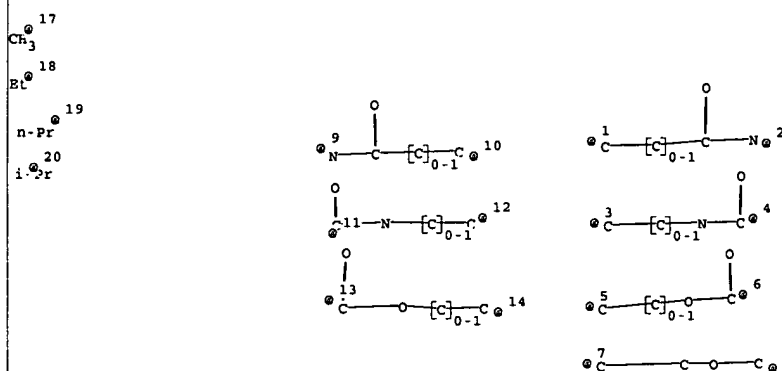
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.10	-3.10

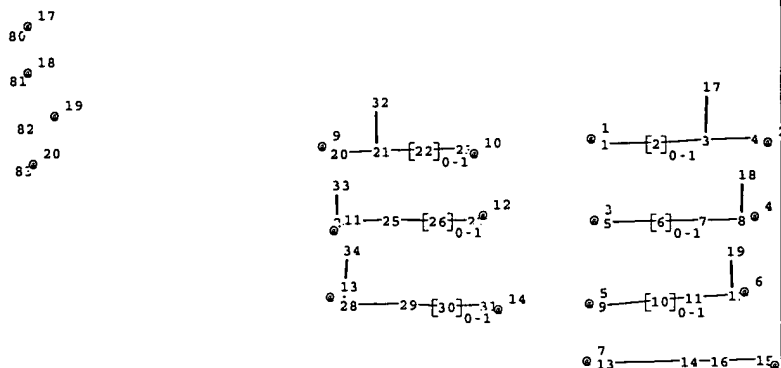
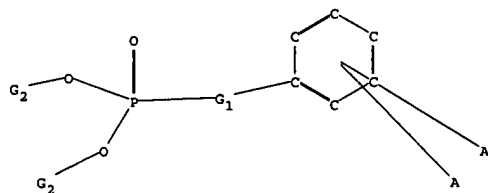
CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

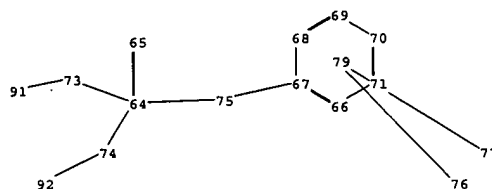
STN INTERNATIONAL SESSION SUSPENDED AT 11:35:10 ON 09 MAY 2002



1615



1615



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 47 65 75 76 77 80 81 82 83 91 92

ring nodes :

66 67 68 69 70 71

ring/chain nodes :

64 73 74

chain bonds :

1-2 2-3 3-4 3-17 5-6 6-7 7-8 8-18 9-10 10-11 11-12 12-19 13-14 14-16 15-16
20-21 21-22 21-32 22-23 24-25 24-33 25-26 26-27 28-29 28-34 29-30 30-31 64-65
64-75 67-75 73-91 74-92

ring/chain bonds :

64-73 64-74

ring bonds :

66-67 66-71 67-68 68-69 69-70 70-71

exact/norm bonds :

3-4 3-17 6-7 7-8 8-18 10-11 11-12 12-19 14-16 15-16 20-21 21-32 24-25 24-33
25-26 28-29 28-34 29-30 64-65 64-73 64-74 64-75 67-75 73-91 74-92

exact bonds :

1-2 2-3 5-6 9-10 13-14 21-22 22-23 26-27 30-31

normalized bonds :

66-67 66-71 67-68 68-69 69-70 70-71

isolated ring systems :

containing 66 :

G1:[*1-*2],[*3-*4],[*5-*6],[*7-*8],[*9-*10],[*11-*12],[*13-*14],[*15-*16]

G2:[*17],[*18],[*19],[*20]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS

12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 47:Atom 64:CLASS 65:CLASS
66:Atom 67:Atom 68:Atom 69:Atom 70:Atom 71:Atom 73:CLASS 74:CLASS 75:CLASS
76:CLASS 77:CLASS 78:CLASS 79:CLASS 80:CLASS 81:CLASS 82:CLASS 83:CLASS 91:CLASS
92:CLASS

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1611txm

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:16:19 ON 09 MAY 2002
FILE 'CAPLUS' ENTERED AT 12:16:19 ON 09 MAY 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.85	584.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.04	585.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

FILE 'REGISTRY' ENTERED AT 12:17:58 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5
DICTIONARY FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 09801933-oxygen-a.str

L24 STRUCTURE UPLOADED

=> d his

(FILE 'HOME' ENTERED AT 10:49:03 ON 09 MAY 2002)

FILE 'REGISTRY' ENTERED AT 10:49:31 ON 09 MAY 2002
L1 STRUCTURE UPLOADED
L2 15 S L1
L3 5169 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:55:47 ON 09 MAY 2002
L4 1 S WO-200166553/PN
L5 1704 S L3 NOT L4
L6 14 S L5 AND (FBPASE OR DIABET?)
SELECT RN 1- L4

FILE 'REGISTRY' ENTERED AT 11:01:27 ON 09 MAY 2002
L7 250 S E1-E250
L8 165 S E251-E415
L9 STRUCTURE UPLOADED
L10 3 S L9
L11 608 S L9 SSS FULL SUB=L3

FILE 'CAPLUS' ENTERED AT 11:29:10 ON 09 MAY 2002
L12 202 S L11
L13 201 S L12 NOT L4
L14 5 S L13 AND (FBP? OR DIABET?)
L15 STRUCTURE UPLOADED
S L15

FILE 'REGISTRY' ENTERED AT 11:51:54 ON 09 MAY 2002

FILE 'CAPLUS' ENTERED AT 11:52:50 ON 09 MAY 2002

FILE 'REGISTRY' ENTERED AT 11:52:50 ON 09 MAY 2002
L16 STRUCTURE UPLOADED
L17 0 S L16
L18 9 S L16 SSS FULL

FILE 'REGISTRY' ENTERED AT 11:59:00 ON 09 MAY 2002
L19 STRUCTURE UPLOADED
L20 10 S L19
L21 140 S L19 FULL

FILE 'CAPLUS' ENTERED AT 12:00:09 ON 09 MAY 2002
L22 2 S L21
L23 1 S L22 NOT L4

FILE 'REGISTRY' ENTERED AT 12:17:58 ON 09 MAY 2002
L24 STRUCTURE UPLOADED

=> s l24

SAMPLE SEARCH INITIATED 12:18:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 9332 TO ITERATE

10.7% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 180858 TO 192422
PROJECTED ANSWERS: 114 TO 632

L25 2 SEA SSS SAM L24

=> s l2 sss full subset = l3
FULL SUBSET SEARCH INITIATED 12:19:21 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 5169 TO ITERATE

100.0% PROCESSED 5169 ITERATIONS 5169 ANSWERS
SEARCH TIME: 00.00.02

L26 5169 SEA SUB=L3 SSS FUL L1

=> s l3 not l26
L27 0 L3 NOT L26

=> file regd scan l2
'REGD' IS NOT A VALID FILE NAME
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):l25

'L25' IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):.

'SCAN' IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):reg

'L2' IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):l25

'L25' IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):reg

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	37.61	623.08

	SINCE FILE	TOTAL
	ENTRY	SESSION
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	0.00	-3.10

FILE 'REGISTRY' ENTERED AT 12:24:53 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5
DICTIONARY FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

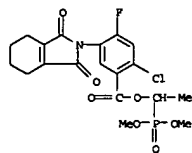
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d scan 125

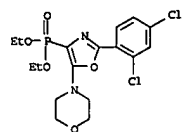
L25 2 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Benzoic acid,
 2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-
 isoindol-2-yl)-, 1-(dimethoxyphosphiny)ethyl ester (9CI)
 MF C19 H20 Cl F N O7 P



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):.

L25 2 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Phosphonic acid,
 {2-(2,4-dichlorophenyl)-5-(4-morpholinyl)-4-oxazolyl}-,
 diethyl ester (9CI)
 MF C17 H21 Cl2 N2 O5 P



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=>

Uploading dummy.str

L28 STRUCTURE UPLOADED

=> s l28

SAMPLE SEARCH INITIATED 12:25:44 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3954 TO ITERATE

25.3% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

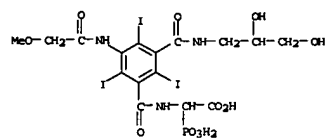
2 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 75311 TO 82849
PROJECTED ANSWERS: 2 TO 326

L29 2 SEA SSS SAM L28

=> d scan

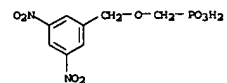
L29 2 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Acetic acid,
 [[3-[[[(2,3-dihydroxypropyl)amino]carbonyl]-2,4,6-triiodo-5-
 [(methoxyacetyl)amino]benzoyl]amino]phosphono- (9CI)
 MF C16 H19 I3 N3 O11 P



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) : .

L29 2 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Phosphonic acid, [[[(3,5-dinitrophenyl)methoxy]methyl]- (9CI)
 MF C8 H9 N2 O8 P



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> d his

(FILE 'HOME' ENTERED AT 10:49:03 ON 09 MAY 2002)

FILE 'REGISTRY' ENTERED AT 10:49:31 ON 09 MAY 2002

L1 STRUCTURE UPLOADED

L2 15 S L1

L3 5169 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:55:47 ON 09 MAY 2002

L4 1 S WO-200166553/PN

L5 1704 S L3 NOT L4

L6 14 S L5 AND (FBPASE OR DIABET?)
SELECT RN 1- L4

FILE 'REGISTRY' ENTERED AT 11:01:27 ON 09 MAY 2002

L7 250 S E1-E250

L8 165 S E251-E415

L9 STRUCTURE UPLOADED

L10 3 S L9

L11 608 S L9 SSS FULL SUB=L3

FILE 'CAPLUS' ENTERED AT 11:29:10 ON 09 MAY 2002

L12 202 S L11

L13 201 S L12 NOT L4

L14 5 S L13 AND (FBP? OR DIABET?)

L15 STRUCTURE UPLOADED
S L15

FILE 'REGISTRY' ENTERED AT 11:51:54 ON 09 MAY 2002

FILE 'CAPLUS' ENTERED AT 11:52:50 ON 09 MAY 2002

FILE 'REGISTRY' ENTERED AT 11:52:50 ON 09 MAY 2002

L16 STRUCTURE UPLOADED

L17 0 S L16

L18 9 S L16 SSS FULL

FILE 'REGISTRY' ENTERED AT 11:59:00 ON 09 MAY 2002

L19 STRUCTURE UPLOADED

L20 10 S L19

L21 140 S L19 FULL

FILE 'CAPLUS' ENTERED AT 12:00:09 ON 09 MAY 2002

L22 2 S L21

L23 1 S L22 NOT L4

FILE 'REGISTRY' ENTERED AT 12:17:58 ON 09 MAY 2002

L24 STRUCTURE UPLOADED

L25 2 S L24

L26 5169 S L2 SSS FULL SUB=L3

L27 0 S L3 NOT L26

FILE 'REGISTRY' ENTERED AT 12:24:53 ON 09 MAY 2002

L28 STRUCTURE UPLOADED

L29 2 S L28

=>
Uploading 09801933-oxygen-a.str

L30 STRUCTURE UPLOADED

=> s l30
SAMPLE SEARCH INITIATED 12:27:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 9332 TO ITERATE

10.7% PROCESSED 1000 ITERATIONS 2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 180858 TO 192422
PROJECTED ANSWERS: 114 TO 632

L31 2 SEA SSS SAM L30

=> s l30 sss full subset = l3
FULL SUBSET SEARCH INITIATED 12:28:26 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 4562 TO ITERATE

100.0% PROCESSED 4562 ITERATIONS 347 ANSWERS
SEARCH TIME: 00.00.02

L32 347 SEA SUB=L3 SSS FUL L30

=> s l3 not l32
L33 4822 L3 NOT L32

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	35.71	658.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

FILE 'CAPLUS' ENTERED AT 12:28:59 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching

databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 May 2002 VOL 136 ISS 19
FILE LAST UPDATED: 7 May 2002 (20020507/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l33
L34 1635 L33

=> s l34 not l4 not l6
L35 1623 L34 NOT L4 NOT L6

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.79	659.58
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

FILE 'REGISTRY' ENTERED AT 12:29:59 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5
DICTIONARY FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d his

(FILE 'HOME' ENTERED AT 10:49:03 ON 09 MAY 2002)

FILE 'REGISTRY' ENTERED AT 10:49:31 ON 09 MAY 2002

L1 STRUCTURE UPLOADED
 L2 15 S L1
 L3 5169 S L1 SSS FULL

 FILE 'CAPLUS' ENTERED AT 10:55:47 ON 09 MAY 2002
 L4 1 S WO-200166553/PN
 L5 1704 S L3 NOT L4
 L6 14 S L5 AND (FBPASE OR DIABET?)
 SELECT RN 1- L4

 FILE 'REGISTRY' ENTERED AT 11:01:27 ON 09 MAY 2002
 L7 250 S E1-E250
 L8 165 S E251-E415
 L9 STRUCTURE UPLOADED
 L10 3 S L9
 L11 608 S L9 SSS FULL SUB=L3

 FILE 'CAPLUS' ENTERED AT 11:29:10 ON 09 MAY 2002
 L12 202 S L11
 L13 201 S L12 NOT L4
 L14 5 S L13 AND (FBP? OR DIABET?)
 L15 STRUCTURE UPLOADED
 S L15

 FILE 'REGISTRY' ENTERED AT 11:51:54 ON 09 MAY 2002

 FILE 'CAPLUS' ENTERED AT 11:52:50 ON 09 MAY 2002

 FILE 'REGISTRY' ENTERED AT 11:52:50 ON 09 MAY 2002
 L16 STRUCTURE UPLOADED
 L17 0 S L16
 L18 9 S L16 SSS FULL

 FILE 'REGISTRY' ENTERED AT 11:59:00 ON 09 MAY 2002
 L19 STRUCTURE UPLOADED
 L20 10 S L19
 L21 140 S L19 FULL

 FILE 'CAPLUS' ENTERED AT 12:00:09 ON 09 MAY 2002
 L22 2 S L21
 L23 1 S L22 NOT L4

 FILE 'REGISTRY' ENTERED AT 12:17:58 ON 09 MAY 2002
 L24 STRUCTURE UPLOADED
 L25 2 S L24
 L26 5169 S L2 SSS FULL SUB=L3
 L27 0 S L3 NOT L26

 FILE 'REGISTRY' ENTERED AT 12:24:53 ON 09 MAY 2002
 L28 STRUCTURE UPLOADED
 L29 2 S L28
 L30 STRUCTURE UPLOADED
 L31 2 S L30
 L32 347 S L30 SSS FULL SUB=L3
 L33 4822 S L3 NOT L32

FILE 'CAPLUS' ENTERED AT 12:28:59 ON 09 MAY 2002
L34 1635 S L33
L35 1623 S L34 NOT L4 NOT L6

FILE 'REGISTRY' ENTERED AT 12:29:59 ON 09 MAY 2002

=>
Uploading dummy.str

L36 STRUCTURE UPLOADED

=> s l36 sss full
FULL SEARCH INITIATED 12:32:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 78043 TO ITERATE

100.0% PROCESSED 78043 ITERATIONS 134 ANSWERS
SEARCH TIME: 00.00.10

L37 134 SEA SSS FUL L36

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	141.80	801.38
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.10

FILE 'CAPLUS' ENTERED AT 12:32:47 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 May 2002 VOL 136 ISS 19
FILE LAST UPDATED: 7 May 2002 (20020507/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use

the CAS Roles thesaurus (/RL field) in this file.

=> s 137

L38 34 L37

=> s 138 not 14 not 16

L39 32 L38 NOT L4 NOT L6

=> d 1-32 cbib pi hitstr

L39 ANSWER 1 OF 32 CAPLUS COPYRIGHT 2002 ACS
2001:668162 Document No. 136:5987 Thrombopoietin mimetics. Duffy, Kevin J.; Erickson-Miller, Connie L.; Eppley, Daniel F.; Jenkins, Julian; Luengo, Juan I.; Liu, Nannan; Price, Alan T.; Shaw, Antony N.; Visonneau, Sophie; Wiggall, Kenneth (SmithKline Beecham Corporation, USA; Glaxo Group Limited). PCT Int. Appl. WO 2001089457 A2 20011129, 114 pp.

DESIGNATED

STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-US16863

20010524. PRIORITY: US 2000-PV207084 20000525; US 2000-PV228929 20000830.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001089457	A2	20011129	WO 2001-US16863	20010524
WO 2001089457	A3	20020307		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

IT 376594-08-0P 376594-09-1P 376594-10-4P 376594-11-5P

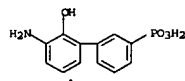
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

((pyrazolylidenehydrazino)phenol derivs. as thrombopoietin mimetics)

RN 376594-08-0 CAPLUS

CN Phosphonic acid, (5'-chloro-2'-methoxy[1,1'-biphenyl]-3-yl)- (9CI) (CA INDEX NAME)

L39 ANSWER 1 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)



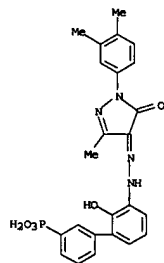
● HCl

IT 376594-12-6P

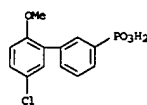
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) ((pyrazolylidenehydrazino)phenol derivs. as thrombopoietin mimetics)

RN 376594-12-6 CAPLUS

CN Phosphonic acid, [3'-[[1-(3,4-dimethylphenyl)-1,5-dihydro-3-methyl-5-oxo-4H-pyrazol-4-ylidene]hydrazino]-2'-hydroxy[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)

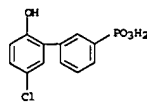


L39 ANSWER 1 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)
INDEX NAME



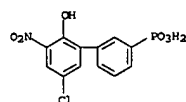
RN 376594-09-1 CAPLUS

CN Phosphonic acid, (5'-chloro-2'-hydroxy[1,1'-biphenyl]-3-yl)- (9CI) (CA INDEX NAME)



RN 376594-10-4 CAPLUS

CN Phosphonic acid, (5'-chloro-2'-hydroxy-3'-nitro[1,1'-biphenyl]-3-yl)- (9CI) (CA INDEX NAME)



RN 376594-11-5 CAPLUS

CN Phosphonic acid, (3'-amino-2'-hydroxy[1,1'-biphenyl]-3-yl)-, hydrochloride (9CI) (CA INDEX NAME)

L39 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2002 ACS
2001:228894 Document No. 134:266437 Chiral phosphines, transition metal complexes thereof and uses thereof in asymmetric reactions.

Zhang, Xumu (Penn State Research Foundation, USA). PCT Int. Appl. WO 2001021625 A1 20010329, 52 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2.

APPLICATION: WO 2000-US25635 20000919. PRIORITY: US 1999-PV154845 19990920. PATENT NO. KIND DATE APPLICATION NO. DATE

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001021625	A1	20010329	WO 2000-US25635	20000919

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SN, TD, TG

IT 331769-38-1

RL: CAT (Catalyst use); USES (Uses) (prepn. of chiral diphosphines as cocatalyst in transition metal complex catalyzed asym. reactions)

RN 331769-38-1 CAPLUS

CN Phosphonic acid, [(1R)-6,6'-bis(diphenylphosphino)[1,1'-biphenyl]-2,2'-diyl]bis- (9CI) (CA INDEX NAME)

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SN, TD, TG

IT 331769-38-1

RL: CAT (Catalyst use); USES (Uses) (prepn. of chiral diphosphines as cocatalyst in transition metal complex catalyzed asym. reactions)

RN 331769-38-1 CAPLUS

CN Phosphonic acid, [(1R)-6,6'-bis(diphenylphosphino)[1,1'-biphenyl]-2,2'-diyl]bis- (9CI) (CA INDEX NAME)

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SN, TD, TG

IT 331769-38-1

RL: CAT (Catalyst use); USES (Uses) (prepn. of chiral diphosphines as cocatalyst in transition metal complex catalyzed asym. reactions)

RN 331769-38-1 CAPLUS

CN Phosphonic acid, [(1R)-6,6'-bis(diphenylphosphino)[1,1'-biphenyl]-2,2'-diyl]bis- (9CI) (CA INDEX NAME)

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SN, TD, TG

IT 331769-38-1

RL: CAT (Catalyst use); USES (Uses) (prepn. of chiral diphosphines as cocatalyst in transition metal complex catalyzed asym. reactions)

RN 331769-38-1 CAPLUS

CN Phosphonic acid, [(1R)-6,6'-bis(diphenylphosphino)[1,1'-biphenyl]-2,2'-diyl]bis- (9CI) (CA INDEX NAME)

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SN, TD, TG

IT 331769-38-1

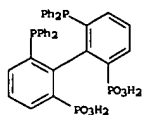
RL: CAT (Catalyst use); USES (Uses) (prepn. of chiral diphosphines as cocatalyst in transition metal complex catalyzed asym. reactions)

RN 331769-38-1 CAPLUS

CN Phosphonic acid, [(1R)-6,6'-bis(diphenylphosphino)[1,1'-biphenyl]-2,2'-diyl]bis- (9CI) (CA INDEX NAME)

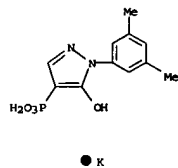
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SN, TD, TG

IT 331769-38-1

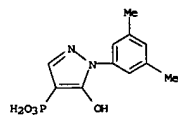


L39 ANSWER 3 OF 32 CAPLUS COPYRIGHT 2002 ACS
 2000:553583 Document No. 133:150719 Production of phosphonopyrazoles as hybridizing agents. Miller, Paula C.; Curtis, Jane M.; Molyneaux, John M.; Owen, Thomas J. (Monsanto Co., USA). PCT Int. Appl. WO 2000/46229 A1 20000810, 46 pp. DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2000-US2421 20000128. PRIORITY: US 1999-PV118408 19990202.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000/46229	A1	20000810	WO 2000-US2421	20000128
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG			
US 6297194	B1	20011002	US 2000-497017	20000202
IT 287734-26-3P	287734-46-7P			
RL:	AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(prodn. of phosphonopyrazoles as hybridizing agents)			
RN 287734-26-3	CAPLUS			
CN	Phosphonic acid, [1-(3,5-dimethylphenyl)-5-hydroxy-1H-pyrazol-4-yl]-,			



RN 287734-46-7 CAPLUS
 CN Phosphonic acid, [1-(3,5-dimethylphenyl)-5-hydroxy-1H-pyrazol-4-yl]- (9CI)
 (CA INDEX NAME)

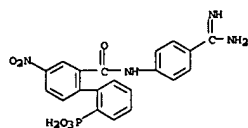


L39 ANSWER 4 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1999:529128 Document No. 131:184864 Preparation of amidinophenylcarbamoylbiphenyl derivatives and heterocyclic analogs thereof as inhibitors of blood coagulation factor VIIa. Senokuchi, Kazuhiko; Ogawa, Koji (Ono Pharmaceutical Co., Ltd., Japan). PCT Int. Appl. WO 99/41231 A1 19990819, 665 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (Japanese). CODEN: PIXXD2. APPLICATION: WO 1999-JP622 19990212. PRIORITY: JP 1998-76815 19980217.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 99/41231	A1	19990819	WO 1999-JP622	19990212
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG			
AU 9923006	A1	19990830	AU 1999-23006	19990212
EP 1078917	A1	20010228	EP 1999-902896	19990212
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
ZA 9901273	A	19990825	ZA 1999-1273	19990217
US 6358960	B1	20020319	US 2000-601998	20000811
IT 239454-32-1P				
RL:	BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(prepn. of amidinophenylcarbamoylbiphenyl derivs. and heterocyclic analogs thereof as inhibitors of blood coagulation factor VIIa)			
RN 239454-32-1	CAPLUS			
CN	Phosphonic acid, [2'-[[4-(amidinoiminomethyl)phenyl]amino]carbonyl]-4'-			

L39 ANSWER 4 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)
 nitro[1,1'-biphenyl]-2-yl]-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1
 CRN 239454-31-0
 CMP C20 H17 N4 O6 P

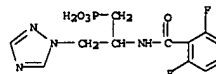


CM 2
 CRN 75-75-2
 CMP C H4 O3 S



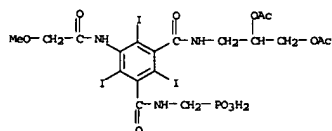
L39 ANSWER 5 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1999:504281 Document No. 131:243322 Design and synthesis of .beta.-carboxamido phosphonates as potent inhibitors of imidazole

glycerol
 phosphate dehydratase. Schweitzer, Barbara A.; Loida, Paul J.; Thompson-Mize, Rebecca L.; Cajacob, Claire A.; Hegde, Shridhar G. (Monsanto Company, St. Louis, MO, 63167, USA). Bioorganic & Medicinal Chemistry Letters, 9(14), 2053-2058 (English) 1999. CODEN: BMCLER. ISSN: 0960-894X. Publisher: Elsevier Science Ltd..
 IT 244123-35-1P, (2-((2,6-Difluorobenzoyl)amino)-3-(1,2,4-triazol-1-yl)propyl)phosphonic acid
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (design and synthesis of .beta.-carboxamido phosphonates as potent inhibitors of imidazole glycerol phosphate dehydratase)
 RN 244123-35-1 CAPLUS
 CN Phosphonic acid,
 [2-((2,6-difluorobenzoyl)amino)-3-(1H-1,2,4-triazol-1-yl)propyl]- (9CI) (CA INDEX NAME)

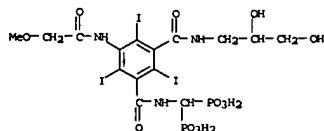


L39 ANSWER 6 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1999:184330 Document No. 130:196762 Preparation of new x-ray contrast reagents. Krause, Werner; Bauer, Michael; Maier, Franz Karl (Schering A.-G., Germany). Ger. Offen. DE 19740403 A1 19990311, 10 pp. (German).

CODEN: GWXXBX. APPLICATION: DE 1997-19740403 19970909.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 DE 19740403 A1 19990311 DE 1997-19740403 19970909
 DE 19740403 C2 19991111
 IT 220719-12-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and hydrolysis of)
 RN 220719-12-0 CAPLUS
 CN Phosphonic acid,
 [[3-[[[(2,3-bis(acetyloxy)propyl)amino]carbonyl]-2,4,6-triiodo-5-[(methoxyacetyl)amino]benzoyl]amino]methyl]- (9CI) (CA INDEX NAME)

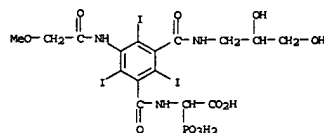


IT 220719-08-4P 220719-11-9P 220719-13-1P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. as x-ray contrast reagent)
 RN 220719-08-4 CAPLUS
 CN Phosphonic acid,
 [[3-[[[(2,3-dihydroxypropyl)amino]carbonyl]-2,4,6-triiodo-5-[(methoxyacetyl)amino]benzoyl]amino]methylene]bis- (9CI) (CA INDEX NAME)

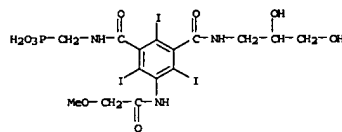


L39 ANSWER 6 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)

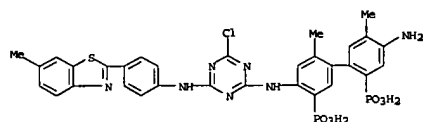
RN 220719-11-9 CAPLUS
 CN Acetic acid,
 [[3-[[[(2,3-dihydroxypropyl)amino]carbonyl]-2,4,6-triiodo-5-[(methoxyacetyl)amino]benzoyl]amino]phosphono- (9CI) (CA INDEX NAME)



RN 220719-13-1 CAPLUS
 CN Phosphonic acid,
 [[3-[[[(2,3-dihydroxypropyl)amino]carbonyl]-2,4,6-triiodo-5-[(methoxyacetyl)amino]benzoyl]amino]methyl]- (9CI) (CA INDEX NAME)

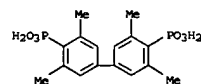


L39 ANSWER 7 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1999:142374 Document No. 130:247038 Anilinothiazines, and telomerase inhibitors and pharmaceuticals containing them. Kitakawa, Masayuki; Masuda, Akira; Morita, Makoto; Suzuki, Masanobu; Sugihara, Hidemitsu (Nippon Kayaku Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 11060573 A2 19990302 Heisei, 14 pp. (Japanese). CODEN: JKKXAP. APPLICATION: JP 1997-240260 19970822.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 PI JP 11060573 A2 19990302 JP 1997-240260 19970822
 IT 221524-37-4P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of anilinothiazines as telomerase inhibitors)
 RN 221524-37-4 CAPLUS
 CN Phosphonic acid, [4-amino-4'-[[4-chloro-6-[[4-(6-methyl-2-benzothiazolyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]-5,6'-dimethyl[1,1'-biphenyl]-2,3'-diyl]bis-, disodium salt (9CI) (CA INDEX NAME)



● 2 Na

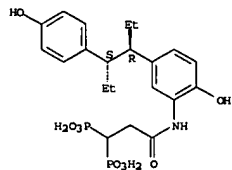
L39 ANSWER 8 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1998:588952 Document No. 129:253848 Preparation of a covalently pillared .alpha.-zirconium phosphite-diphasphonate with a high degree of interlayer porosity. Alberti, G.; Costantino, U.; Marmottini, F.; Vivani, R.; Zappelli, P. (Dipartimento di Chimica, Universita di Perugia, Perugia, 06123, Italy). Microporous Mesoporous Mater., 21(4-6), 297-304 (English) 1998. CODEN: MIMMFJ. ISSN: 1387-1811. Publisher: Elsevier Science B.V..
 IT 145005-99-8DP, solid soln. with zirconium phosphite
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. and modeling of covalently pillared .alpha.-zirconium phosphite-diphasphonate with high degree of interlayer porosity)
 RN 145005-99-8 CAPLUS
 CN Phosphonic acid, (3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diyl)bis-, zirconium(4+) salt (1:1) (9CI) (CA INDEX NAME)



● Zr (IV)

L39 ANSWER 9 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1996:746324 Document No. 126:19028 Preparation of novel bone-seeking di(phosphono)alkyl-containing estrogen derivatives. Yamamoto, Michihiro; Sasaki, Akira; Kataumata, Takashi; Tsushima, Naomi; Harada, Hideyuki (Sumitomo Pharmaceuticals Company, Limited, Japan). PCT Int. Appl. WO 9633158 A1 19961024, 122 pp DESIGNATED STATES: W: CA, CN, KR, US; RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (Japanese). CODEN: PIXXD2. APPLICATION: WO 1996-JP1054 19960418. PRIORITY: JP 1995-120777 19950421.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 PI WO 9633158 A1 19961024 WO 1996-JP1054 19960418
 W: CA, CN, KR, US
 RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
 JP 09003080 A2 19970107 JP 1996-112026 19960408
 CA 2218505 AA 19961024 CA 1996-2218505 19960418
 EP 827951 A1 19980311 EP 1996-910192 19960418
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE
 US 5962438 A 19991005 US 1997-945124 19971017
 IT 184224-61-1P
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of novel bone-seeking di(phosphono)alkyl-contg. hexestrol deriva. for disease treatment)
 RN 184224-61-1 CAPLUS
 CN Phosphonic acid, [3-[[5-[1-ethyl-2-(4-hydroxyphenyl)butyl]-2-hydroxyphenyl]amino]-3-oxopropylidene]bis-, disodium salt, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● 2 Na

L39 ANSWER 9 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)

L39 ANSWER 10 OF 32 CAPLUS COPYRIGHT 2002 ACS
1995:994642 Document No. 124:86996 Preparation of

3-(4-hydroxy-3,5-di-tert-butylphenyl)-2-isoxazolines as antirheumatics. Schwab, Wilfried; Anagnostopoulos, Hristo; Ryder, Bartlett Robert; Schleyerbach, Rudolf; Weithmann, Klaus Ulrich (Hoechst A.-G., Germany). Ger. Offen. DE 4408084

A1 19950914, 50 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1994-4408084 19940310.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4408084	A1	19950914	DE 1994-4408084	19940310
CA 2185004	AA	19950914	CA 1995-2185004	19950303
WO 9524397	A1	19950914	WO 1995-EP784	19950303

W: AU, CA, CH, FI, HU, JP, KR, NO, RU, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL.

PT, SE
AU 9519481 A1 19950925 AU 1995-19481 19950303
AU 684914 B2 19980108
EP 749429 A1 19961227 EP 1995-912197 19950303
EP 749429 B1 19990630
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL,

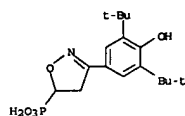
PT, SE
CN 1143956 A 19970226 CN 1995-192004 19950303
CN 1056836 B 20000927
HU 76481 A2 19970929 HU 1996-2458 19950303
JP 09509951 T2 19971007 JP 1995-523212 19950303
AT 181733 E 19990715 AT 1995-912197 19950303
ES 2135046 T3 19991016 ES 1995-912197 19950303
NO 9603560 A 19960826 NO 1996-3560 19960826
FI 9603508 A 19960906 FI 1996-3508 19960906
US 5814627 A 19980929 US 1996-704743 19961119

IT 172412-83-8P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 3-(4-hydroxy-3,5-di-tert-butylphenyl)-2-isoxazolines

as antirheumatics)

RN 172412-83-8 CAPLUS

CN Phosphonic acid,
[3-{3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl}-4,5-dihydro-5-isoxazolyl]- (9CI) (CA INDEX NAME)



L39 ANSWER 10 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)

L39 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2002 ACS
1995:872303 Document No. 124:55945 Aryl indazoles, a process for producing them, and their use as herbicides. James, Donald R.; Baker, Don

R.; Mielich, Steven D.; Michaely, William J.; Fitzjohn, Steven; Knudsen, Christopher G.; Mathews, Christopher; Gerdes, John M. (Zeneca Limited, UK). U.S. US 5444038 A 19950822, 37 pp. Continuation-in-part of

Ser. No. US 92-848622, filed on 9 Mar 1992 (English). CODEN: USXXAM. APPLICATION: US 1993-18871 19930302. PRIORITY: US 1992-848622 19920309.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5444038	A	19950822	US 1993-18871	19930302
WO 9318008	A1	19930916	WO 1993-US1961	19930305

W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KP, KR, LK, MG, MN.

MW, NO, NZ, PL, RO, RU, SD, SK, UA, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL.

PT, SE
AU 9337895 A1 19931005 AU 1993-37895 19930305
AU 665818 B2 19960118
EP 630367 A1 19941228 EP 1993-907210 19930305
EP 630367 B1 20000705
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC,

NL, PT, SE
JP 07508259 T2 19950914 JP 1993-515887 19930305
HU 70876 A2 19951128 HU 1994-2502 19930305
HU 217661 B 20000328
AT 194332 E 20000715 AT 1993-907210 19930305
ES 2149202 T3 20001101 ES 1993-907210 19930305
ZA 9301632 A 19940805 ZA 1993-1632 19930308
IL 104977 A1 19980104 IL 1993-104977 19930308
CN 1079961 A 19931229 CN 1993-104054 19930309
CN 1056834 B 20000927
US 5928998 A 19990727 US 1996-730632 19961209

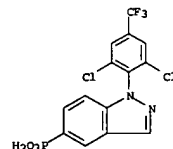
IT 152625-86-0P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study);

PREP (Preparation); USES (Uses)
(aryl indazoles, a process for producing them, and their use as herbicides)

RN 152625-86-0 CAPLUS

CN Phosphonic acid,
[1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-indazol-5-yl]- (9CI) (CA INDEX NAME)

L39 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)

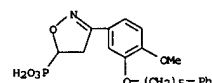


L39 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1995:763862 Document No. 123:169611 Preparation of
 3-aryl-2-isoxazolines as
 antiinflammatory agents. Kleinman, Edward F. (Pfizer Inc., USA).

PCT Int. Appl. WO 9514680 A1 19950601, 46 pp. DESIGNATED STATES: W:
 CA, JP,
 US; RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE.
 (English). CODEN: PIXXD2. APPLICATION: WO 1994-IB313 19941012.
 PRIORITY: US 1993-157241 19931126.
 PATENT NO. KIND DATE APPLICATION NO. DATE

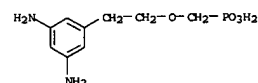
 PI WO 9514680 A1 19950601 WO 1994-IB313 19941012
 W: CA, JP, US
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE
 CA 2177375 AA 19950601 CA 1994-2177375 19941012
 EP 730587 A1 19960911 EP 1994-927778 19941012
 EP 730587 B1 19991208
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL,
 PT, SE
 JP 09500146 T2 19970107 JP 1994-514932 19941012
 AT 187447 E 19991215 AT 1994-927778 19941012
 ES 2139754 T3 20000216 ES 1994-927778 19941012
 FI 9405556 A 19950527 FI 1994-5556 19941125
 US 5686434 A 19971111 US 1996-640945 19960515

IT 167099-81-2P 167099-82-3P 167099-84-5P
 RL: BAC (Biological activity or effector, except adverse); SPN
 (Synthetic
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); USES (Uses)
 (prepn. of 3-aryl-2-isoxazolines as PDE type IV inhibitors)
 RN 167099-81-2 CAPLUS
 CN Phosphonic acid,
 [4,5-dihydro-3-[4-methoxy-3-[(5-phenylpentyl)oxy]phenyl]-
 5-isoxazolyl]- (9CI) (CA INDEX NAME)

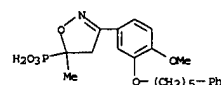


RN 167099-82-3 CAPLUS
 CN Phosphonic acid,
 [4,5-dihydro-3-[4-methoxy-3-[(5-phenylpentyl)oxy]phenyl]-
 5-methyl-5-isoxazolyl]- (9CI) (CA INDEX NAME)

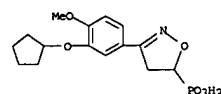
L39 ANSWER 13 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1995:633054 Document No. 123:257229 Preparation of phosphonomethyl
 ethers
 derived from 2-phenylethanol and its amino derivatives.
 Krecmerova,
 Marcela; Holy, Antonin (Inst. Organic Chem. Biochem., Acad.
 Sciences Czech
 Republic, Prague, 166 10, Czech Rep.). Collect. Czech. Chem.
 Commun.,
 60(4), 659-69 (English) 1995. CODEN: CCCCAK. ISSN: 0010-0765.
 IT 168837-87-4P
 RL: BAC (Biological activity or effector, except adverse); SPN
 (Synthetic
 preparation); BIOL (Biological study); PREP (Preparation)
 (prepn. and antiviral activity of acyclic nucleotide phosphonate
 derived from phenylethanol and its amino derivs.)
 RN 168837-87-4 CAPLUS
 CN Phosphonic acid, [[2-(3,5-diaminophenyl)ethoxymethyl]- (9CI) (CA
 INDEX
 NAME)



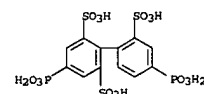
L39 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)



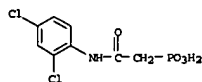
RN 167099-84-5 CAPLUS
 CN Phosphonic acid,
 [3-[3-(cyclopentyl)oxy]-4-methoxyphenyl]-4,5-dihydro-5-
 isoxazolyl]- (9CI) (CA INDEX NAME)



L39 ANSWER 14 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1994:605504 Document No. 121:205504 Organosulfur phosphorus acid
 compounds.
 Part 5. Biphenyl-4,4'-diphosphono-2,6,2'-trisulfonic acid.
 Montoneri, E.;
 Viscardi, G.; Ricca, G.; Gallazzi, M. C. (Dipartimento Chimica
 Generale
 Organica Applicata, Universita Torino, Turin, 10125, Italy).
 Phosphorus,
 Sulfur Silicon Relat. Elem., 86(1-4), 123-8 (English) 1994. CODEN:
 PSSLEC. ISSN: 1042-6507. OTHER SOURCES: CASREACT 121:205504.
 IT 157950-18-0P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP
 (Preparation)
 (prepn. and NMR of)
 RN 157950-18-0 CAPLUS
 CN [1,1'-Biphenyl]-2,2',6'-trisulfonic acid, 4,4'-diphosphono- (9CI)
 (CA
 INDEX NAME)

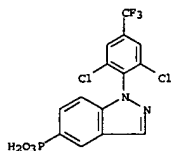


L39 ANSWER 15 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1994:185304 Document No. 120:185304 Plant-growth-regulating
 N-(phosphonoacetyl)amines. Wiczorek, Piotr; Miliezkiewicz,
 Dorota;
 Lejczak, Barbara; Soroka, Mirosław; Kafareki, Paweł (Inst. Chem.
 Pedagog.,
 Univ. Opole, Opole, 45-052, Pol.). Pestic. Sci., 40(1), 57-62
 (English)
 1994. CODEN: PSSCBG. ISSN: 0031-613X.
 IT 153567-86-3P
 RL: AGR (Agricultural use); BAC (Biological activity or effector,
 except
 adverse); SPN (Synthetic preparation); BIOL (Biological study);
 PREP
 (Preparation); USES (Uses)
 (prepn. and plant growth-regulating activity of)
 RN 153567-86-3 CAPLUS
 CN Phosphonic acid, [2-[(2,4-dichlorophenyl)amino]-2-oxoethyl]- (9CI)
 (CA INDEX NAME)

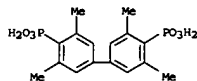


L39 ANSWER 16 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1994:134487 Document No. 120:134487 Preparation of arylindazoles and
 their
 use as herbicides. James, Donald R.; Baker, Don R.; Mielich,
 Steven D.;
 Michael, William J.; Fitzjohn, Steven; Knudsen, Christopher G.;
 Mathews,
 Christopher; Gerdes, John M. (USA). PCT Int. Appl. WO 9318008 A1
 19930916, 77 pp. DESIGNATED STATES: W: AU, BB, BG, BR, CA, CZ,
 FI, HU,
 JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US;
 RW: AT,
 BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE.
 (English)
 CODEN: PIXXD2. APPLICATION: WO 1993-US1961 19930305. PRIORITY: US
 1992-848622 19920309; US 1993-18871 19930302.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 PI WO 9318008 A1 19930916 WO 1993-US1961 19930305
 W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KP, KR, LK, MG, MN,
 MW, NO,
 NZ, PL, RO, RU, SD, SK, UA, US
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE
 US 5444038 A 19950822 US 1993-18871 19930302
 AU 9337895 A1 19931005 AU 1993-37895 19930305
 AU 665818 B2 19960118
 EP 630367 A1 19941228 EP 1993-907210 19930305
 EP 630367 B1 20000705
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC,
 NL, PT, SE
 JP 07508259 T2 19950914 JP 1993-515887 19930305
 AT 194322 E 20000715 AT 1993-907210 19930305
 IT 152625-86-0P
 RL: AGR (Agricultural use); BAC (Biological activity or effector,
 except
 adverse); SPN (Synthetic preparation); BIOL (Biological study);
 PREP
 (Preparation); USES (Uses)
 (prepn. of, as herbicide)
 RN 152625-86-0 CAPLUS
 CN Phosphonic acid,
 [1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-indazol-5-
 yl]- (9CI) (CA INDEX NAME)

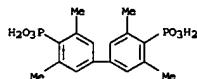
L39 ANSWER 16 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)



L39 ANSWER 17 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1993:684950 Document No. 119:284950 Zirconium phosphite-(3,3',
 5,5'-tetramethyl-4,4'-biphenyldiyl)bis(phosphonate): a microporous
 inorganic-organic polymer with a column-layer structure. Alberti,
 Giulio;
 Costantino, Umberto; Marmottini, Fabio; Viviani, Riccardo; Zappelli,
 Piergiorgio (Dip. Chim., Univ. Perugia, Perugia, I-06123, Italy).
 Angew.
 Chem., 105(9), 1396-8 (See also Angew. Chem., Int. Ed. Engl.,
 1993, 32(9)).
 1357-9 (German) 1993. CODEN: ANCEAD. ISSN: 0044-8249.
 IT 144653-03-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and reaction of, with zirconium oxychloride and
 phosphorous
 acid)
 RN 144653-03-2 CAPLUS
 CN Phosphonic acid,
 (3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diyl)bis-
 (9CI) (CA INDEX NAME)



IT 145005-99-8DP, solid soln. with zirconium phosphite
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of microporous, with column-layer structure)
 RN 145005-99-8 CAPLUS
 CN Phosphonic acid,
 (3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diyl)bis-
 zirconium(4+) salt (1:1) (9CI) (CA INDEX NAME)

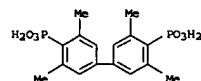


● Zr(IV)

L39 ANSWER 18 OF 32 CAPLUS COPYRIGHT 2002 ACS

1993:59875 Document No. 118:59875 Preparation of tetravalent metal diphosphonate-phosphite composition in microporous solid crystalline form, with a narrow micropore distribution as molecular sieves and shape-selective catalysts. Alberti, Giulio; Costantino, Umberto; Viviani, Riccardo; Zappelli, Piergiorgio; Rossodivita, Antonio (Eniricerche S.p.a., Italy). Eur. Pat. Appl. EP 492694 A1 19920701, 28 pp. DESIGNATED STATES:

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, LI, LU, NL, SE. (English).
CODEN: EPXXDW. APPLICATION: EP 1991-203242 19911211. PRIORITY: IT 1990-22484 19901221.
PATENT NO. KIND DATE APPLICATION NO. DATE
PI EP 492694 A1 19920701 EP 1991-203242 19911211
EP 492694 B1 19961016
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, LI, LU, NL, SE
AT 144262 E 19961115 AT 1991-203242 19911211
ES 2093071 T3 19961216 ES 1991-203242 19911211
US 5290746 A 19940301 US 1991-809587 19911217
IT 145005-99-8DP, solid solns. with zirconium phosphite
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 145005-99-8 CAPLUS
CN Phosphonic acid,
(3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diyl)bis-,
zirconium(4+) salt (1:1) (9CI) (CA INDEX NAME)



● Zr(IV)

IT 144653-03-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediates for tetravalent metal
diphosphonate-phosphite compn.)
RN 144653-03-2 CAPLUS
CN Phosphonic acid,
(3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diyl)bis-,
(9CI) (CA INDEX NAME)

L39 ANSWER 19 OF 32 CAPLUS COPYRIGHT 2002 ACS

1992:531386 Document No. 117:131386 Preparation of pyrazolylphosphonate pesticides. Boehner, Beat; Hall, Roger Graham (Ciba-Geigy A.-G., Switz.).

Ger. Offen. DE 4139849 A1 19920611, 17 pp. (German). CODEN: GWXXBX.

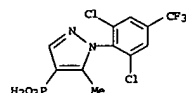
APPLICATION: DE 1991-4139849 19911203. PRIORITY: CH 1990-3871 19901207.

PATENT NO. KIND DATE APPLICATION NO. DATE
PI DE 4139849 A1 19920611 DE 1991-4139849 19911203
CH 680795 A 19921113 CH 1990-3871 19901207
IT 143231-64-5P

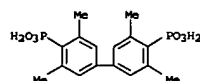
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study);

PREP (Preparation); USES (Uses)
(prepn. of, as pesticide)

RN 143231-64-5 CAPLUS
CN Phosphonic acid,
[1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-methyl-1H-pyrazol-4-yl]- (9CI) (CA INDEX NAME)



L39 ANSWER 18 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)



L39 ANSWER 20 OF 32 CAPLUS COPYRIGHT 2002 ACS

1990:528989 Document No. 113:128989 Acridinium esters, liposomes containing them and their use in luminescence assay. Law, Say Jong; Piran, Uri (Ciba

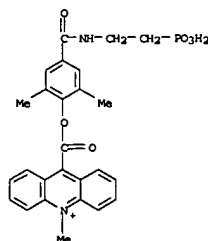
Corning Diagnostics Corp., USA). Eur. Pat. Appl. EP 353971 A2 19900207, 18 pp. DESIGNATED STATES: R: BE, DE, FR, GB, IT, LU, NL. (English).

CODEN: EPXXDW. APPLICATION: EP 1989-307752 19890731. PRIORITY: US 1988-226639 19880801.

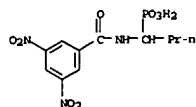
PATENT NO. KIND DATE APPLICATION NO. DATE
PI EP 353971 A2 19900207 EP 1989-307752 19890731
EP 353971 A3 19901010
EP 353971 B1 19960207

R: BE, DE, FR, GB, IT, LU, NL
AU 8939033 A1 19900208 AU 1989-39033 19890727
AU 634716 B2 19930304
JP 02096567 A2 19900409 JP 1989-199178 19890731
JP 09025422 A2 19970128 JP 1996-179488 19890731
CA 1339490 A1 19971007 CA 1989-607098 19890731
AU 9332034 A1 19930401 AU 1993-32034 19930127
AU 654754 B2 19941117
US 5656500 A 19970812 US 1995-440427 19950512

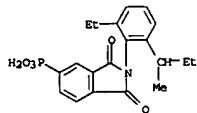
IT 128816-35-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of and liposomes contg., for luminescence anal.)
RN 128816-35-3 CAPLUS
CN Acridinium,
9-[[2,6-dimethyl-4-[[[(2-phosphonoethyl)amino]carbonyl]phenoxy]carbonyl]-10-methyl-, bromide (9CI) (CA INDEX NAME)



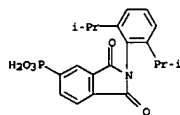
L39 ANSWER 21 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1990:63447 Document No. 112:63447 Use of achiral ion-pairing
 reagents with
 chiral stationary phases. Pirkle, William H.; Chang, Jen Ping;
 Burke, John A., III (Sch. Chem. Sci., Univ. Illinois, Urbana, IL, 61801,
 USA).
 J. Chromatogr., 479(2), 377-86 (English) 1989. CODEN: JOCRAM.
 ISSN: 0021-9673.
 IT 124900-37-4
 RL: PRP (Properties)
 (sepn. of enantiomers of, ion pairing reagent effect on chiral
 stationary phase in chromatog.)
 RN 124900-37-4 CAPLUS
 CN Phosphonic acid, [1-[(3,5-dinitrobenzoyl)amino]butyl]- (9CI) (CA
 INDEX NAME)



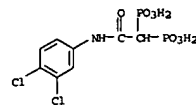
L39 ANSWER 22 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1988:488046 Document No. 109:88046 Studies on N-arylphthalimides. V.
 Structure-activity relationships of 4-substituted
 N-arylphthalimides in
 the control of Plasmodiophora disease. Ueda, Takashi (Agric.
 Chem. Res. Lab., Sankyo Co., Shiga, 520-23, Japan). Nippon Nogei Kagaku
 Kaishi, 62(5), 843-50 (Japanese) 1988. CODEN: NNKKA.
 IT 109856-81-7 112185-69-0
 RL: BIOL (Biological study)
 (Plasmodiophora control by, structure in relation to)
 RN 109856-81-7 CAPLUS
 CN Phosphonic acid,
 [2-[2-ethyl-6-(1-methylpropyl)phenyl]-2,3-dihydro-1,3-
 dioxo-1H-isoindol-5-yl]- (9CI) (CA INDEX NAME)



RN 112185-69-0 CAPLUS
 CN Phosphonic acid,
 [2-[2,6-bis(1-methylethyl)phenyl]-2,3-dihydro-1,3-dioxo-
 1H-isoindol-5-yl]- (9CI) (CA INDEX NAME)



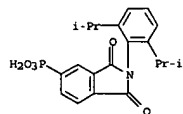
L39 ANSWER 23 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1988:94778 Document No. 108:94778 Processes for preparing
 diphosphonic acids
 and their use in treating bone disease. Oku, Teruo; Todo, Eiashiro;
 Kasahara, Chiyoshi; Nakamura, Katsuya; Kayakiri, Hiroshi;
 Hashimoto, Masashi (Fujisawa Pharmaceutical Co., Ltd., Japan). Eur. Pat.
 Appl. EP 2431173 A2 19871028, 31 pp. DESIGNATED STATES: R: AT, BE, CH, DE,
 ES, FR,
 GB, GR, IT, LI, LU, NL, SE. (English). CODEN: EPXXDW.
 APPLICATION: EP 1987-303542 19870422. PRIORITY: GB 1986-10019 19860424; GB
 1986-19074
 19860805; GB 1987-5347 19870306.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 EP 2431173 A2 19871028 EP 1987-303542 19870422
 EP 2431173 A3 19880706
 EP 2431173 B1 19910626
 R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
 AT 64738 E 19910715 AT 1987-303542 19870422
 ES 2039237 T3 19930916 ES 1987-303542 19870422
 DK 8702069 A 19871025 DK 1987-2069 19870423
 JP 62270593 A2 19871124 JP 1987-102948 19870424
 US 4857513 A 19890815 US 1987-42444 19870424
 US 4963536 A 19901016 US 1989-333953 19890406
 IT 112855-93-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, for treating bone disease)
 RN 112855-93-3 CAPLUS
 CN Phosphonic acid,
 [2-[(3,4-dichlorophenyl)amino]-2-oxoethylidene]bis-,
 compd. with 2-methyl-2-propanamine (1:3) (9CI) (CA INDEX NAME)
 CM 1
 CRN 112855-92-2
 CMF C8 H9 Cl2 N O7 P2



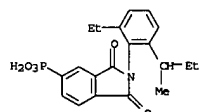
CM 2
 CRN 75-64-9
 CMF C4 H11 N

L39 ANSWER 23 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)

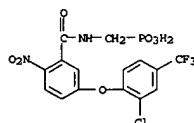
L39 ANSWER 24 OF 32 CAPIUS COPYRIGHT 2002 ACS
 1988:37566 Document No. 108:37566 Synthesis of
 N-(2,6-dialkylphenyl)-4-(hydroxymethyl)phthalimides,
 N-(2,6-dialkylphenyl)-4-formylphthalimides,
 and related compounds. Ueda, Takashi; Murakami, Tadaashi;
 Tobitsuka, Junzo; Kozasa, Makoto; Tomita, Kazuo (Agric. Chem. Res. Lab.,
 Sankyo Co., Shiga, 520-23, Japan). Nippon Nogei Kagaku Kaishi, 61(2), 199-207
 (Japanese) 1987. CODEN: NNKQAA.
 IT 112185-69-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 112185-69-0 CAPIUS
 CN Phosphonic acid,
 [2-[2,6-bis(1-methylethyl)phenyl]-2,3-dihydro-1,3-dioxo-
 1H-isoindol-5-yl]- (9CI) (CA INDEX NAME)



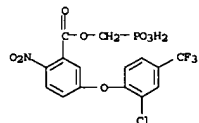
L39 ANSWER 25 OF 32 CAPIUS COPYRIGHT 2002 ACS
 1987:496588 Document No. 107:96588 Process for the preparation of
 isoindoline-1,3-dione derivatives as agricultural bactericides.
 Ueda, Takayuki; Murakami, Tadaashi; Hizuka, Junzo; Nakanishi, Itsuro;
 Kondo, Yasuhiko; Ozasa, Makoto (Sankyo Co., Ltd., Japan). Jpn. Kokai
 Tokkyo Koho JP 62022761 A2 19870130 Showa, 7 pp. (Japanese). CODEN: JKKXAF.
 APPLICATION: JP 1985-163762 19850724.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 JP 62022761 A2 19870130 JP 1985-163762 19850724
 JP 06025106 B4 19940406
 IT 109856-81-7P
 RL: AGR (Agricultural use); BAC (Biological activity or effector,
 except adverse); SPN (Synthetic preparation); BIOL (Biological study);
 PREP (Preparation); USES (Uses)
 (prepn. of, as agricultural fungicide)
 RN 109856-81-7 CAPIUS
 CN Phosphonic acid,
 [2-[2-ethyl-6-(1-methylpropyl)phenyl]-2,3-dihydro-1,3-
 dioxo-1H-isoindol-5-yl]- (9CI) (CA INDEX NAME)



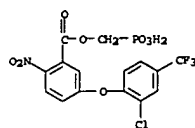
L39 ANSWER 26 OF 32 CAPIUS COPYRIGHT 2002 ACS
 1987:102556 Document No. 106:102556 Phosphonic and phosphinic acid
 derivatives as herbicides. Diel, Peter J.; Maier, Ludwig
 (Ciba-Geigy A.-G., Switz.). Ger. Offen. DE 3620217 A1 19861218, 27 pp.
 (German).
 CODEN: GWXXBX. APPLICATION: DE 1986-3620217 19860616. PRIORITY:
 CH 1985-2564 19850618.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 DE 3620217 A1 19861218 DE 1986-3620217 19860616
 IT 107004-62-6P
 RL: AGR (Agricultural use); BAC (Biological activity or effector,
 except adverse); SPN (Synthetic preparation); BIOL (Biological study);
 PREP (Preparation); USES (Uses)
 (prepn. of, as herbicide)
 RN 107004-62-6 CAPIUS
 CN Phosphonic acid, [[5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-
 nitrobenzoylamino]methyl]- (9CI) (CA INDEX NAME)



L39 ANSWER 27 OF 32 CAPIUS COPYRIGHT 2002 ACS
 1986:109956 Document No. 104:109956 Herbicidal phosphonic and
 phosphinic acid derivatives. (Ciba-Geigy A.-G., Switz.). Jpn. Kokai Tokkyo
 Koho JP 60237094 A2 19851125 Showa, 14 pp. (Japanese). CODEN: JKKXAF.
 APPLICATION: JP 1985-82127 19850417. PRIORITY: CH 1984-1946
 19840417.
 PATENT NO. KIND DATE APPLICATION NO. DATE
 JP 60237094 A2 19851125 JP 1985-82127 19850417
 US 4640701 A 19870203 US 1985-720784 19850408
 EP 165203 A1 19851218 EP 1985-810158 19850411
 EP 165203 B1 19880914
 R: BE, CH, DE, FR, GB, IT, LI, NL
 CA 1252114 A1 19890404 CA 1985-479098 19850415
 AU 8541278 A1 19851024 AU 1985-41278 19850416
 AU 575931 B2 19880811
 BR 8501805 A 19851210 BR 1985-1805 19850416
 ZA 8502822 A 19851224 ZA 1985-2822 19850416
 IL 74918 A1 19881230 IL 1985-74918 19850416
 IT 100818-95-9P 100818-96-0P 100819-05-4P
 100819-09-8P
 RL: AGR (Agricultural use); BAC (Biological activity or effector,
 except adverse); SPN (Synthetic preparation); BIOL (Biological study);
 PREP (Preparation); USES (Uses)
 (prepn. of, as herbicide)
 RN 100818-95-9 CAPIUS
 CN Benzoic acid, 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitro-,
 phosphonomethyl ester (9CI) (CA INDEX NAME)



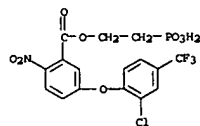
RN 100818-96-0 CAPIUS
 CN Benzoic acid, 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitro-,
 phosphonomethyl ester, compd. with 2-propanamine (9CI) (CA INDEX
 NAME)
 CM 1
 CRN 100818-95-9
 CMP C15 H10 Cl F3 N O8 P



CM 2

CRN 75-31-0
CMP C3 H9 N

RN 100819-05-4 CAPLUS

CN Benzoic acid, 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitro-,
2-phosphonoethyl ester (9CI) (CA INDEX NAME)

RN 100819-09-8 CAPLUS

CN Benzoic acid, 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitro-,
2-phosphonoethyl ester, compd. with 2-propanamine (9CI) (CA INDEX
NAME)

CM 1

CRN 100819-05-4
CMP C16 H12 Cl F3 N O8 P

1981:126391 Document No. 98:126391

N-(Carboxymethyl-N-(phosphonomethyl)-5-(2-chloro-4-trifluoromethylphenoxy)-2-nitrobenzamide and their salts.
Gough,Stanley T. D. (Rhône-Poulenc Agrochimie, Fr.). U.S. US 4364767 A
19821221, 2 pp. (English). CODEN: USXXAM. APPLICATION: US

1981-286995

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4364767	A	19821221	US 1981-286995	19810727

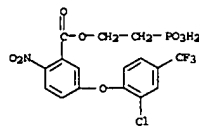
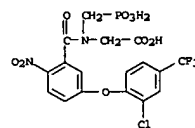
IT 85021-82-5P
RL: AGR (Agricultural use); BAC (Biological activity or effector,
except

adverse); SPN (Synthetic preparation); BIOL (Biological study);

PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)

RN 85021-82-5 CAPLUS

CN Glycine,

N-[5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoyl]-N-
(phosphonomethyl)- (9CI) (CA INDEX NAME)

CM 2

CRN 75-31-0
CMP C3 H9 N1982:14943 Document No. 96:14943 1,4-Naphthoquinone derivatives and
theiruse. Ikushima, Koichi; Kohsaka, Masanobu; Ohe, Osamu; Arakawa,
Akira;Tanaka, Hirokazu; Aoki, Hatsu; Kino, Eiko; Imanaka, Hiroshi
(FujisawaPharmaceutical Co., Ltd., Japan). PCT Int. Appl. WO 8102574 A1
19810917,65 pp. DESIGNATED STATES: W: US; RW: AT, CH, DE, FR, GB, LU, NL,
SE.(Japanese). CODEN: PIXXD2. APPLICATION: WO 1981-JP46 19810306.
PRIORITY: JP 1980-29675 19800306.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8102574	A1	19810917	WO 1981-JP46	19810306

W: US

RW: AT, CH, DE, FR, GB, LU, NL, SE

JP 56125335 A2 19811001 JP 1980-29675 19800306

JP 01015491 B4 19890317

EP 47323 A1 19820317 EP 1981-900552 19810306

EP 47323 B1 19841010

R: AT, CH, DE, FR, GB, LU, NL, SE

AT 9790 E 19841015 AT 1981-900552 19810306

US 4414226 A 19831108 US 1981-317897 19811030

US 4530845 A 19850723 US 1983-511268 19830706

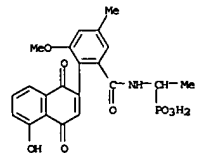
IT 80389-44-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. and anticoccidium activity of)

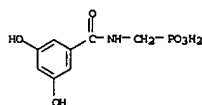
RN 80389-44-2 CAPLUS

CN Phosphonic acid,

[1-([2-(1,4-dihydro-5-hydroxy-1,4-dioxo-2-naphthalenyl)-3-
methoxy-5-methylbenzoyl]amino)ethyl]- (9CI) (CA INDEX NAME)

L39 ANSWER 30 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1981:162752 Document No. 94:162752 Secretin preparation with improved and protracted activity. Bickel, Martin; Geiger, Rolf; Leeb, Richard (Hoechst

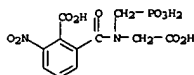
A.-G., Fed. Rep. Ger.) Ger. Offen. DE 2923878 19810108, 19 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1979-2923878 19790613. PATENT NO. KIND DATE APPLICATION NO. DATE
 PI DE 2923878 A1 19810108 DE 1979-2923878 19790613
 ES 492206 A1 19801216 ES 1980-492206 19800606
 EP 21184 A1 19810107 EP 1980-103150 19800606
 EP 21184 B1 19840208
 R: AT, BE, CH, DE, FR, GB, IT, NL
 AT 6123 E 19840215 AT 1980-103150 19800606
 US 4302448 A 19811124 US 1980-158595 19800611
 CA 1161755 A1 19840207 CA 1980-353855 19800612
 JP 56045409 A2 19810425 JP 1980-80071 19800613
 CA 1204448 A2 19860513 CA 1982-416529 19821126
 IT 77354-62-2D, secretin adducts
 RL: BIOL (Biological study)
 (depot prepn., for intestinal hemorrhage and ulcer treatment, pancreatic secretion in relation to)
 RN 77354-62-2 CAPLUS
 CN Phosphonic acid, [[[(3,5-dihydroxybenzoyl)amino)methyl]- (9CI) (CA INDEX NAME)



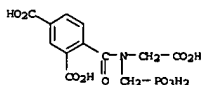
L39 ANSWER 31 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1978:89838 Document No. 88:89838 N-Phosphonomethylglycine derivatives with phytotoxic use. Gaertner, Van Russell (Monsanto Co., USA). Ger. Offen.

DE 2719583 19771124, 60 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1977-2719583 19770502. PATENT NO. KIND DATE APPLICATION NO. DATE
 PI DE 2719583 A1 19771124 DE 1977-2719583 19770502
 US 4197254 A 19800408 US 1976-682243 19760503
 NL 7704710 A 19771107 NL 1977-4710 19770429
 ES 458316 A1 19780301 ES 1977-458316 19770429
 SU 665776 D 19790530 SU 1977-2476270 19770429
 HU 27307 O 19831028 HU 1977-MO981 19770429
 HU 184174 B 19840730
 RO 72258 P 19820909 RO 1977-90201 19770430
 BE 854167 A1 19771103 BE 1977-177184 19770502
 FI 7701387 A 19771104 FI 1977-1387 19770502
 FI 62842 B 19821130
 FI 62842 C 19830310
 DK 7701918 A 19771104 DK 1977-1918 19770502
 NO 7701522 A 19771104 NO 1977-1522 19770502
 NO 153369 B 19851125
 NO 153369 C 19860305
 JP 52133928 A2 19771109 JP 1977-50051 19770502
 JP 57035880 B4 19820731
 FR 2350352 A1 19771202 FR 1977-13245 19770502
 FR 2350352 B1 19830107
 BR 7702814 A 19780328
 ZA 7702622 A 19780329 ZA 1977-2622 19770502
 DD 131521 C 19780705 DD 1977-198704 19770502
 IN 145362 A 19780930 IN 1977-CA653 19770502
 AU 7724756 A1 19781109 AU 1977-24756 19770502
 AU 510033 B2 19800605
 GB 1532329 A 19781115 GB 1977-18237 19770502
 AT 7703084 A 19790115 AT 1977-3084 19770502
 AT 351860 B 19790827
 CS 193093 P 19790917 CS 1977-2861 19770502
 PL 106810 P 19800131 PL 1977-209094 19770502
 CA 1085405 A1 19800909 CA 1977-277575 19770502
 IL 51987 A1 19810913 IL 1977-51987 19770502
 SE 7705110 A 19771104 SE 1977-5110 19770503
 SE 431213 B 19840123
 SE 431213 C 19840503
 CH 628905 A 19820331 CH 1977-5503 19770503
 SU 680651 D 19790815 SU 1977-2518656 19770508
 AT 7801423 A 19790415 AT 1978-1423 19780228
 AT 353284 B 19791112
 US 4251257 A 19810217 US 1979-67252 19790817
 SE 8004235 A 19800606 SE 1980-4235 19800606
 SE 439417 B 19850617
 SE 439417 C 19850926
 IT 65617-43-8P 65617-50-7P 65617-57-4P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except

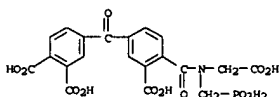
L39 ANSWER 31 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)
 adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. and herbicidal activity of)
 RN 65617-43-8 CAPLUS
 CN Benzoic acid,
 2-[[[(carboxymethyl) (phosphonomethyl)amino]carbonyl]-6-nitro- (9CI) (CA INDEX NAME)



RN 65617-50-7 CAPLUS
 CN 1,3-Benzenedicarboxylic acid,
 4-[[[(carboxymethyl) (phosphonomethyl)amino]carbonyl]- (9CI) (CA INDEX NAME)

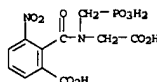


RN 65617-57-4 CAPLUS
 CN 1,2-Benzenedicarboxylic acid,
 4-{3-carboxy-4-[[[(carboxymethyl) (phosphonomethyl)amino]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)

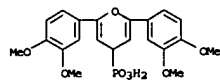


IT 65617-58-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 65617-58-5 CAPLUS
 CN Benzoic acid,
 2-[[[(carboxymethyl) (phosphonomethyl)amino]carbonyl]-3-nitro- (9CI) (CA INDEX NAME)

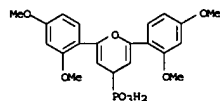
L39 ANSWER 31 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)



L39 ANSWER 32 OF 32 CAPLUS COPYRIGHT 2002 ACS
 1973:124687 Document No. 78:124687 Pyrans and pyrylium salts with
 phosphorus
 containing substituents. Krivun, S. V.; Voznyanova, O. F.;
 Baranov, S. N.
 (Inst. Fiz. Khim., Kiev, USSR). Zh. Obshch. Khim., 43(1), 91-5
 (Russian)
 1973. CODEN: ZOKH44.
 IT 41044-39-7P 41044-40-0P 41044-49-9P
 41044-50-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 41044-39-7 CAPLUS
 CN Phosphonic acid, [2,6-bis(3,4-dimethoxyphenyl)-4H-pyran-4-yl]-
 (9CI) (CA
 INDEX NAME)

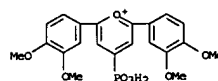


RN 41044-40-0 CAPLUS
 CN Phosphonic acid, [2,6-bis(2,4-dimethoxyphenyl)-4H-pyran-4-yl]-
 (9CI) (CA
 INDEX NAME)



RN 41044-49-9 CAPLUS
 CN Pyrylium, 2,6-bis(3,4-dimethoxyphenyl)-4-phosphono-, perchlorate
 (9CI)
 (CA INDEX NAME)
 CM 1
 CRN 48224-29-9
 CMP C21 H22 O8 P

L39 ANSWER 32 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)

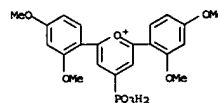


CM 2
 CRN 14797-73-0
 CMP C1 O4



RN 41044-50-2 CAPLUS
 CN Pyrylium, 2,6-bis(2,4-dimethoxyphenyl)-4-phosphono-, perchlorate
 (9CI)
 (CA INDEX NAME)

CM 1
 CRN 48224-18-6
 CMP C21 H22 O8 P



CM 2
 CRN 14797-73-0
 CMP C1 O4



L39 ANSWER 32 OF 32 CAPLUS COPYRIGHT 2002 ACS (Continued)

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
99.36	900.74

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-3.10

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 12:35:00 ON 09 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5
DICTIONARY FILE UPDATES: 7 MAY 2002 HIGHEST RN 412267-09-5

TSKA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

L43 134 SEA SUB=L41 SSS FUL L42

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
174.47	1075.21

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-3.10

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 12:37:30 ON 09 MAY 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 May 2002 VOL 136 ISS 19

FILE LAST UPDATED: 7 May 2002 (20020507/ED)

STN INTERNATIONAL LOGOFF AT 12:38:06 ON 09 MAY 2002